CONESTOGA-ROVERS
& ASSOCIATES

200 W. Allegan Street, Suite 300
Plainwell, Michigan 49080-1397
Telephone: (269) 685-5181 Fax: (269) 685-5223
www.CRAworld.com

July 9, 2012 Reference No. 056394

Ms. Sheila Desai
Remedial Project Manager
U.S. Environmental Protection Agency – Region V
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

Dear Ms. Desai:

Re: Monthly Progress Report – June 2012
Former Plainwell, Inc. Mill Property Operable Unit No. 7
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Allegan and Kalamazoo County

As required by Task 8, Progress Reports in the Statement of Work of the Remedial Investigation and Feasibility Study (RI/FS) at the former Plainwell, Inc. Mill Property, please find attached three copies of the Progress Report No. 68 for the period of June 1, 2012 through June 30, 2012.

Should you have any questions or require any additional information, please do not hesitate to contact the undersigned.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Jennifer L. Quigley, P.E.

JQ/15/Plw.
Encl.

cc: Paul Bucholtz (MDEQ) – three hard copies
Jim Saric (U.S. EPA) – electronic only
Leslie Kirby-Miles (U.S. EPA) – electronic only
Erik Wilson (City of Plainwell) – electronic only
Richard Gay (Weyerhaeuser) – electronic only
Joe Jackowski (Weyerhaeuser) – electronic only
Martin Lebo (Weyerhaeuser) – electronic only
Michael Erickson (Arcadis) – electronic only
Dawn Penniman (Arcadis) – electronic only
Garry Griffith (Georgia-Pacific, LLC) – electronic only
Jeffrey Lifka (Tetra Tech) – electronic only
Gregory Carli (CRA) – electronic only

Equal
Employment Opportunity
Employer

Progress Report No. 68
June 1, 2012 to June 30, 2012

Remedial Investigation and Feasibility Study
Former Plainwell, Inc. Mill Property
Plainwell, Michigan

This progress report is being submitted to the United States Environmental Protection Agency (U.S. EPA) in accordance with Task 8: Progress Reports and the Schedule for Major Deliverables contained in the Statement of Work for the Remedial Investigation/Feasibility Study (RI/FS), pursuant to the terms of the Consent Decree for the Design and Implementation of Certain Response Actions at Operable Unit No. 4 and the Plainwell, Inc. Mill Property (Site) Operational Unit No. 7of the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site (Consent Decree), which became effective February 22, 2005.

1. Work Performed

- Submittal of summary memorandum on June 22, 2012 for soil samples collected in the vicinity of MW-16 on March 29, 2012 to define the nature and extent of PCBs identified in soil during the RI.
- Submittal of memorandum on June 27, 2012 summarizing the results of samples collected at the Site in the vicinity of the activities conducted on the Site by the MDOT, Michigan Gas Utilities, and contractors on behalf of the City of Plainwell in support of redevelopment during the month of April 2012. Activities included the initiation of installation and/or realignment of storm sewer and natural gas lines, and demolition of portions of the Mill Buildings.

2. Data Received

- Receipt of sample results for waste characterization samples collected from excavated materials from TP-203 and drums from the MW-16 investigation. The results for the waste characterization samples are attached. Investigation-derived waste will be appropriately profiled and transported off-Site for proper disposal.

3. Modifications to Work Plans or Other Schedules Proposed to, or Approved by, the U.S. EPA

- None.

4. Problems Encountered and Planned Resolution

- An error was identified associated with the use of certain sample locations relative to individual redevelopment areas associated with the Human Health Risk Assessment (HHRA) submitted as part of the RI Report. U.S. EPA was informed of this error on May 24, 2012 and revisions to particular sections of the RI Report will be completed and submitted to U.S. EPA and MDEQ in July 2012.

5. Work Anticipated During the Next Reporting Period

- Submittal of responses for comments received from U.S. EPA on the Work Plan for Additional RI Investigation Activities.
- Submittal of Revised Work Plan for Additional RI Investigation Activities.
- Implementation of activities summarized in the Work Plan for Additional RI Investigation Activities, upon approval of Work Plan by U.S. EPA.

6. Anticipated Development with Work during the Next Period

- None.

7. Other Relevant Information

- None.

June 8, 2012 Analytical Report for Service Request No: K1204583

Paul Wiseman
Conestoga-Rovers & Associates, Incorporated
14496 Sheldon Rd., Suite 200
Plymouth, MI 48170

RE: Former Plainwell Mill/056394

Dear Paul:

Enclosed are the results of the samples submitted to our laboratory on May 12, 2012. For your reference, these analyses have been assigned our service request number K1204583.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3364. You may also contact me via Email at Howard.Holmes@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Howard Holmes
Project Manager

HH/ln

Columbia Analytical Services
ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
Columbia Analytical Services, Inc.
Part of the ALS Group A Campbell Brothers Limited Company
Environmental www.caslab.com ▪ www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc. - Kelso
State Certifications, Accreditations, and Licenses.

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2286
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L12-28
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Georgia DNR	http://www.gaepd.org/Documents/techguide_pcb.html#cel	881
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
Indiana DOH	http://www.in.gov/isdh/24859.htm	C-WA-01
ISO 17025	http://www.pjlabs.com/	L12-27
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	3016
Louisiana DHH	Not available	LA110003
Maine DHS	Not available	WA0035
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-368
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA35
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
New Mexico ED	http://www.nmenv.state.nm.us/dwb/Index.htm	-
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA200001
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T704427-08-TX
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C1203
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.caslab.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.caslab.com or at the accreditation bodies web site

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS ENVIRONMENTAL

Client:	Conestoga-Rovers & Associates	**Service Request No.:**	K1204583
Project:	Former Plainwell Mill	**Date Received:**	5/12/12
Sample Matrix:	Soil		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Two soil samples were received for analysis at ALS Environmental on 5/12/12. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

TCLP Metals

No anomalies associated with the analysis of these samples were observed.

PCB Aroclors by EPA Method 8082

Sample notes:
The PCBs were logged in and put on hold per instruction on COC.
The PCBs were taken off hold on May 17th per email from Paul Wiseman

Elevated Detection Limits:
Sample SO-56394-051112-EB-009 required dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution.

Surrogate Exceptions:
The control criteria for Decachlorobiphenyl in this field sample were not applicable. The analysis of the sample required a dilution, which resulted in a surrogate concentration below the reporting limit. No further corrective action was appropriate.

No other anomalies associated with the analysis of these samples were observed.

TCLP Volatiles by EPA Method 1311/8260

Calibration Verification Exceptions:
The following analyte was flagged as outside the lower control criterion for Continuing Calibration Verification (CCV) J:\MS18\00530F011.D: 2-Butanone (MEK). In accordance with the EPA Method, 80% or more of the CCV analytes must pass within 20% of the true value. The CAS SOP allows for 40% difference for the remaining analytes. The CCV met these criteria. The quality of the sample data was not significantly affected. No further corrective action was required.

No other anomalies associated with the analysis of these samples were observed.

TCLP Semivolatiles by EPA Method 1311/8270

No anomalies associated with the analysis of these samples were observed.

Approved by Hawkins Holmes **Date** 6-8-12

Chain of Custody

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

14496 Sheldon Road, Suite #200, Plymouth, Michigan 48170
Phone: (734) 453-5123 Fax: (734) 453-5201

COC NO. PL- 09384
PAGE 1 OF 1
(See Reverse Side for Instructions)

KI204583

Project No/ Phase/Task Code: 56394	Laboratory Name: CAS	Lab Location: Kelso, WA	SSOW ID: 56394-05-008
Project Name: Former Plainwell Mill	Lab Contact: H. Holmes	Lab Quote No:	Cooler No:
Project Location: Plainwell, MI			Carrier: FedEx
Chemistry Contact: Paul Wiseman			Airbill No:
Sampler(s): Earl Batenburg			Date Shipped: 5/11/12

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO3	H2SO4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: TCLP Metals	TCLP VOC	TCLP SVOC	PCBs	MS/MSD Request	Comments/ Special Instructions:
1	SO-56394-051112-EB-008	5/11/12	13:30	SO	C	1								1	X					
2	SO-56394-051112-EB-009	↓	13:50	SO	↓	2								2	X	X	X	X		HOLD PCB Analysis
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

8

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other:

Total Number of Containers: 3
All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	CRA	15:30	5/11/12	1.	ALS	5/12/12	900
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

PC HH

Cooler Receipt and Preservation Form

Client / Project: CRA Service Request *K12* 04583

Received: 5/12/12 Opened: 5/12/12 By: KJT Unloaded: 5/12/12 By: KJT

1. Samples were received via? *Mail* (*Fed Ex*) *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? 2 front / Back
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
1.2	0.6	297	PL-09384		✓

7. Packing material: *Inserts* *Baggies* (*Bubble Wrap*) *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
8. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA (Y) N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? NA (Y) N
11. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA (Y) N
12. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
13. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N
14. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
15. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

Total Solids

Analytical Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SO-56394-051112-EB-009	K1204583-002	05/11/2012	05/12/2012	05/17/2012	68.9	

QA/QC Report

Client:	Conestoga-Rovers & Associates, Incorpora	**Service Request:**	K1204583
Project:	Former Plainwell Mill/056394	**Date Collected:**	05/11/2012
Sample Matrix:	Soil	**Date Received:**	05/12/2012
		Date Analyzed:	05/17/2012

Duplicate Sample Summary
Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SO-56394-051112-EB-009	K1204583-002	68.9	71.6	70.3	4	

COLUMBIA ANALYTICAL SERVICES, INC.

EPA Method 160.3 - Total Solids

Group ID:	KWG1205194	Run #292197		**Reviewed By:**	BDC
Analyst:	PFaiman /AB				
Date Acquired:	05/17/2012 00:00	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	5/18/12
Date Completed:	05/18/2012 00:00	**Oven TempEnd:**	105 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
1	K1204318-006	B-II-COMP	SEDIMENT	1.36g	12.73g	6.90g	48.7		K-BALANCE-16
2	K1204318-018	Alcatraz-comp	SEDIMENT	1.36g	13.61g	12.04g	87.2		K-BALANCE-16
3	K1204318-019	B-COMP	SEDIMENT	1.33g	16.79g	8.99g	49.5		K-BALANCE-16
4	K1204318-030	5/A-COMP	SEDIMENT	1.36g	18.08g	9.67g	49.7		K-BALANCE-16
5	K1204449-023	SL0347	SOIL	1.33g	16.78g	13.74g	80.3		K-BALANCE-16
6	K1204449-024	SL0348	SOIL	1.36g	11.54g	9.08g	75.8		K-BALANCE-16
7	K1204583-002	SO-56394-051112-EB-009	SOIL	1.35g	12.30g	8.90g	68.9		K-BALANCE-16
8	K1204591-001	MPA B-88-A (0-6")	SOIL	1.34g	14.33g	6.50g	39.7		K-BALANCE-16
9	K1204591-007	MPA B-111-A (0-6")	SOIL	1.35g	12.91g	7.54g	53.5		K-BALANCE-16
10	K1204591-008	MPA B-211 (0-6")	SOIL	1.34g	11.51g	6.74g	53.1		K-BALANCE-16
11	K1204591-009	MPA B-31-A (0-6")	SOIL	1.36g	12.80g	9.94g	75.0		K-BALANCE-16
12	K1204591-011	MPA B-35-B (0-6")	SOIL	1.35g	11.35g	9.14g	77.9		K-BALANCE-16
13	K1204591-012	MPA B-41-A (0-6")	SOIL	1.37g	15.70g	7.85g	45.2		K-BALANCE-16
14	K1204591-015	MPASN215550 #1 (0-6")	SOIL	1.35g	11.81g	5.10g	35.9		K-BALANCE-16
15	K1204591-016	MPASN215550 #2 (0-6")	SOIL	1.34g	13.98g	5.97g	36.6		K-BALANCE-16
16	KWG1205194-1	Duplicate Client Sample	SEDIMENT	1.36g	13.75g	7.36g	48.4	K1204318-006	K-BALANCE-16 $\bar{x}=48.6$ RPD=<1
17	KWG1205194-2	Duplicate Client Sample	SOIL	1.34g	15.24g	12.61g	81.1	K1204449-023	K-BALANCE-16 $\bar{x}=80.7$ RPD=<1
18	KWG1205194-3	Duplicate Client Sample	SOIL	1.36g	13.83g	10.29g	71.6	K1204583-002	K-BALANCE-16 $\bar{x}=70.3$ RPD=4
19	KWG1205194-4	Duplicate Client Sample	SOIL	1.34g	15.94g	9.21g	53.9	K1204591-007	K-BALANCE-16 $\bar{x}=53.7$ RPD=<1

13

PB

Metals

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Conestoga-Rovers & Associates, Incorporated
Project Name: Former Plainwell Mill
Project No.: 056394

Service Request: K1204583

Sample Name:	Lab Code:
SO-56394-051112-EB-008	K1204583-001
SO-56394-051112-EB-008D	K1204583-001D
SO-56394-051112-EB-008S	K1204583-001S
SO-56394-051112-EB-009	K1204583-002
Method Blank	K1204583-MB

Comments:

Approved By: 3C **Date:** 5/29/12

TCLP Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Conestoga-Rovers & Associates, I	Service Request:	K1204583
Project No.:	056394	Date Collected:	05/11/12
Project Name:	Former Plainwell Mill	Date Received:	05/12/12
Matrix:	TCLP	Units:	mg/L
		Basis:	NA

Sample Name: SO-56394-051112-EB-008 Lab Code: K1204583-001

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.100	0.007	1.0	05/18/12	05/22/12	0.008	J	
Barium	6010B	1.0	0.7	1.0	05/18/12	05/22/12	0.7	U	
Cadmium	6010B	0.0100	0.0003	1.0	05/18/12	05/22/12	0.0010	J	
Chromium	6010B	0.010	0.003	1.0	05/18/12	05/22/12	0.003	U	
Lead	6010B	0.050	0.004	1.0	05/18/12	05/22/12	0.004	U	
Mercury	7470A	0.0010	0.0004	1.0	05/18/12	05/21/12	0.0004	U	
Selenium	6010B	0.10	0.02	1.0	05/18/12	05/22/12	0.02	U	
Silver	6010B	0.020	0.006	1.0	05/18/12	05/22/12	0.006	U	

Comments:

TCLP Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Conestoga-Rovers & Associates, I	Service Request:	K1204583
Project No.:	056394	Date Collected:	05/11/12
Project Name:	Former Plainwell Mill	Date Received:	05/12/12
Matrix:	TCLP	Units:	mg/L
		Basis:	NA

Sample Name: SO-56394-051112-EB-009 Lab Code: K1204583-002

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.100	0.007	1.0	05/18/12	05/22/12	0.009	J	
Barium	6010B	1.0	0.7	1.0	05/18/12	05/22/12	0.8	J	
Cadmium	6010B	0.0100	0.0003	1.0	05/18/12	05/22/12	0.0353		
Chromium	6010B	0.010	0.003	1.0	05/18/12	05/22/12	0.006	J	
Lead	6010B	0.050	0.004	1.0	05/18/12	05/22/12	0.069		
Mercury	7470A	0.0010	0.0004	1.0	05/18/12	05/21/12	0.0004	U	
Selenium	6010B	0.10	0.02	1.0	05/18/12	05/22/12	0.02	U	
Silver	6010B	0.020	0.006	1.0	05/18/12	05/22/12	0.006	U	

Comments:

TCLP Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Conestoga-Rovers & Associates, I
Service Request: K1204583
Project No.: 056394
Date Collected:
Project Name: Former Plainwell Mill
Date Received:
Matrix: TCLP
Units: mg/L
Basis: NA

Sample Name: Method Blank
Lab Code: K1204583-MB

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.100	0.007	1.0	05/18/12	05/22/12	0.007	U	
Barium	6010B	1.0	0.7	1.0	05/18/12	05/22/12	0.7	U	
Cadmium	6010B	0.0100	0.0003	1.0	05/18/12	05/22/12	0.0003	U	
Chromium	6010B	0.010	0.003	1.0	05/18/12	05/22/12	0.003	U	
Lead	6010B	0.050	0.004	1.0	05/18/12	05/22/12	0.004	U	
Mercury	7470A	0.0010	0.0004	1.0	05/18/12	05/21/12	0.0004	U	
Selenium	6010B	0.10	0.02	1.0	05/18/12	05/22/12	0.02	U	
Silver	6010B	0.020	0.006	1.0	05/18/12	05/22/12	0.006	U	

Comments:

TCLP Metals
- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICV Source: Inorganic Ventures CCV Source: CAS MIXED

Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	2.50	2.50	100	1.00	1.02	102	1.03	103	6010B
Barium	5.00	5.13	103	10.00	10.16	102	10.17	102	6010B
Cadmium	1.25	1.18	94	0.25	0.25	100	0.25	100	6010B
Chromium	0.50	0.47	94	0.25	0.25	100	0.25	100	6010B
Lead	2.500	2.375	95	0.250	0.249	100	0.251	100	6010B
Mercury	0.0050	0.0051	102	0.0050	0.0055	110	0.0055	110	7470A
Selenium	2.50	2.425	97	0.25	0.257	103	0.252	101	6010B
Silver	0.625	0.591	95	0.250	0.254	102	0.257	103	6010B

TCLP Metals
- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICV Source: Inorganic Ventures CCV Source: CAS MIXED

Concentration Units: mg/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	Method
Arsenic				1.00	1.04	104	1.05	105	6010B
Barium				10.00	10.04	100	10.32	103	6010B
Cadmium				0.25	0.25	100	0.25	100	6010B
Chromium				0.25	0.25	100	0.25	100	6010B
Lead				0.250	0.253	101	0.253	101	6010B
Mercury				0.0050	0.0055	110			7470A
Selenium				0.25	0.262	105	0.262	105	6010B
Silver				0.250	0.260	104	0.259	104	6010B

TCLP Metals
- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga-Rovers & Associates, I **Service Request:** K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICV Source: Inorganic Ventures CCV Source: CAS MIXED

Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1.00	1.04	104	1.03	103	6010B
Barium				10.00	10.34	103	10.42	104	6010B
Cadmium				0.25	0.25	100	0.25	100	6010B
Chromium				0.25	0.25	100	0.25	100	6010B
Lead				0.250	0.253	101	0.254	102	6010B
Selenium				0.25	0.262	105	0.257	103	6010B
Silver				0.250	0.259	104	0.255	102	6010B

TCLP Metals

- 2b -

CRDL STANDARD FOR AA AND ICP

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

Concentration Units: mg/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				0.100	0.107	107		
Barium				0.005	0.005	100		
Cadmium				0.005	0.005	100		
Chromium				0.005	0.005	100		
Lead				0.050	0.050	100		
Mercury				0.00020	0.0002	100.0		
Selenium				0.100	0.104	104		
Silver				0.010	0.010	100		

TCLP Metals

- 3 -

BLANKS

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Method
Arsenic	0.007	U	0.007	U	0.007	U	0.007	U	6010B
Barium	0.70	U	0.70	U	0.70	U	0.70	U	6010B
Cadmium	0.0003	U	0.0003	U	0.0003	U	0.0003	U	6010B
Chromium	0.003	U	0.003	U	0.003	U	0.003	U	6010B
Lead	0.004	U	0.004	U	0.004	U	0.004	U	6010B
Mercury	0.0004	U	0.0004	U	0.0004	U	0.0004	U	7470A
Selenium	0.020	U	0.020	U	0.020	U	0.020	U	6010B
Silver	0.006	U	0.006	U	0.006	U	0.006	U	6010B

TCLP Metals

- 3 -

BLANKS

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Method
Arsenic			0.007	U	0.007	U	0.007	U	6010B
Barium			0.70	U	0.70	U	0.70	U	6010B
Cadmium			0.0003	U	0.0003	U	0.0003	U	6010B
Chromium			0.003	U	0.003	U	0.003	U	6010B
Lead			0.004	U	0.004	U	0.004	U	6010B
Selenium			0.020	U	0.020	U	0.020	U	6010B
Silver			0.006	U	0.006	U	0.006	U	6010B

TCLP Metals

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICP ID Number: K-ICP-AES-03 ICS Source: Inorganic Ventures

Concentration Units): mg/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic	0.0000		0.0148	0.0114				
Barium	0.0000	0.5000	0.0003	0.5108	102			
Cadmium	0.0000	1.0000	-0.0021	0.8806	88			
Chromium	0.0000	0.5000	-0.0027	0.4526	91			
Lead	0.0000	1.0000	-0.0249	0.8994	90			
Selenium	0.0000		-0.0012	-0.0045				
Silver	0.0000	1.0000	0.0003	0.9334	93			

TCLP Metals
- 5A -
SPIKE SAMPLE RECOVERY

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394 Units: MG/L

Project Name: Former Plainwell Mill Basis: NA

Matrix: TCLP

Sample Name: SO-56394-051112-EB-008S Lab Code: K1204583-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	75 - 125	4.750		0.008	J	5.00	94.8		6010B
Barium	75 - 125	10.4		0.7	U	10.00	104.0		6010B
Cadmium	75 - 125	0.912		0.0010	J	1.00	91.1		6010B
Chromium	75 - 125	4.520		0.003	U	5.00	90.3		6010B
Lead	75 - 125	4.750		0.004	U	5.00	95.0		6010B
Mercury	75 - 125	0.0052		0.0004	U	0.005	104		7470A
Selenium	75 - 125	0.93		0.02	U	1.00	93.0		6010B
Silver	75 - 125	0.891		0.006	U	1.00	89.1		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

TCLP Metals

- 5B -
POST SPIKE SAMPLE RECOVERY

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394 Units: MG/L

Project Name: Former Plainwell Mill Basis: NA

Matrix: WATER

Sample Name: Batch QC2A Lab Code: K1204051-001A

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	80 - 120	4.9910		0.0091		5.0	99		6010B
Barium	80 - 120	10.1000		0.7000		5.0	101		6010B
Cadmium	80 - 120	0.9504		0.0003		1.0	95		6010B
Chromium	80 - 120	4.7440		0.0068		4.05	95		6010B
Lead	80 - 120	4.9570		0.0274		5.0	98		6010B
Selenium	80 - 120	0.9631		0.0200		1.0	96		6010B
Silver	80 - 120	0.9050		0.0060		1.0	91		6010B

TCLP Metals

- 5B -
POST SPIKE SAMPLE RECOVERY

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394 Units: MG/L

Project Name: Former Plainwell Mill Basis: NA

Matrix: WATER

Sample Name: Batch QC1A Lab Code: K1204051-006A

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Mercury	85 - 115	0.0048		0.0004		0.0050	96.0		7470A

TCLP Metals

- 6 -

DUPLICATES

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394 Units: MG/L

Project Name: Former Plainwell Mill Basis: NA

Matrix: TCLP

Sample Name: SO-56394-051112-EB-008D Lab Code: K1204583-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.008	J	0.007	U	200.0		6010B
Barium		0.7	U	0.7	U			6010B
Cadmium		0.0010	J	0.0012	J	18.2		6010B
Chromium		0.003	U	0.003	J	200.0		6010B
Lead		0.004	U	0.004	U			6010B
Mercury		0.0004	U	0.0004	U			7470A
Selenium		0.02	U	0.02	U			6010B
Silver		0.006	U	0.006	U			6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

TCLP Metals
- 7 -
LABORATORY CONTROL SAMPLE

Client: Conestoga-Rovers & Associates, I **Service Request:** K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

Aqueous LCS Source: CAS MIXED Solid LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Arsenic	5	4.860	97.2					
Barium	10	9.8	98.0					
Cadmium	1	0.923	92.3					
Chromium	5	4.600	92.0					
Lead	5	4.730	94.6					
Mercury	0.005	0.0051	102.0					
Selenium	1	0.94	94.0					
Silver	1	0.861	86.1					

TCLP Metals

- 9 -

ICP SERIAL DILUTIONS

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394 Units: MG/L

Project Name: Former Plainwell Mill

Sample Name: Batch QC2L Lab Code: K1204051-001L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	0.009	J	0.035	U	100.0		P
Barium	0.700	U	3.500	U			P
Cadmium	0.000	U	0.002	U			P
Chromium	0.007	J	0.015	U	100.0		P
Lead	0.027	J	0.033	J	22.2		P
Selenium	0.020	U	0.100	U			P
Silver	0.006	U	0.030	U			P

TCLP Metals

- 10 -

DETECTION LIMITS

Client: Conestoga-Rovers & Associates, I **Service Request:** K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICP/ICP-MS ID #:

GFAA ID #: AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL mg/L	MDL mg/L	M
Mercury	253.7		0.0010	0.0004	CV

Comments:

TCLP Metals

- 10 -

DETECTION LIMITS

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICP/ICP-MS ID #:

GFAA ID #: AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL mg/L	MDL mg/L	M
Arsenic	189.0		0.100	0.007	P
Barium	455.4		1.000	0.700	P
Cadmium	226.5		0.010	0.0003	P
Chromium	267.7		0.010	0.003	P
Lead	220.3		0.050	0.004	P
Selenium	196.0		0.100	0.020	P
Silver	328.1		0.020	0.006	P

Comments:

TCLP Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Co
Aluminum	394.401	0.0000000	0.0000880	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000290	0.0000000	-0.0001420	0.0000000	0.0000000
Arsenic	189.042	0.0000220	0.0000000	-0.0000580	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	-0.0002330	0.0000000	0.0016240
Cadmium	226.502	0.0000000	0.0000000	0.0000590	0.0000000	0.0000150
Calcium	393.366	0.0000000	0.0000000	0.0000230	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	230.786	0.0000000	0.0000000	-0.0000030	0.0000000	0.0000000
Copper	224.7	0.0000000	0.0000000	0.0001620	0.0000000	0.0006220
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000940	0.0000000	0.0000000	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000130	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0001940
Phosphorus	214.914	-0.0005540	0.0000000	0.0006550	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	-0.0001120	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0014540
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	336.121	0.0000000	0.0000210	0.0000000	0.0000000	0.0000320
Vanadium	292.402	0.0000000	0.0000000	-0.0000020	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0001010	0.0000000	0.0000000

Comments:

TCLP Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Mn	Mo	Ni	P
Aluminum	394.401	0.0000000	0.0000000	0.0004350	0.0003100	0.0000000
Antimony	206.833	0.0173600	-0.0001330	0.0011910	0.0000000	0.0000000
Arsenic	189.042	0.0003470	-0.0001550	0.0005480	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	-0.0000300	-0.0001890	-0.0000190	0.0000000
Boron	249.678	0.0004530	0.0000000	-0.0008670	0.0000000	0.0000000
Cadmium	226.502	0.0000410	0.0000000	-0.0000280	-0.0000170	0.0000000
Calcium	393.366	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0001390	0.0000680	0.0000000	0.0000280
Cobalt	230.786	-0.0000120	0.0000380	0.0011280	-0.0001970	0.0000000
Copper	224.7	0.0000000	0.0000240	0.0025520	-0.0024670	0.0000000
Iron	259.94	0.0000000	0.0000000	-0.0002400	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0001340	-0.0010800	0.0001780	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	-0.0014420	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	-0.0000110	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	-0.0000270	0.0000000	-0.0000310	0.0000000
Nickel	231.604	-0.0000240	0.0000000	-0.0000480	0.0000000	0.0000000
Phosphorus	214.914	0.0000000	-0.0004110	0.0085820	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0006630	0.0000000	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0192220	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000390	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000080	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0002570	0.0008680	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	336.121	0.0000000	0.0000000	0.0000410	0.0001300	0.0000000
Vanadium	292.402	0.0000000	-0.0027450	-0.0002030	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	-0.0001050	0.0057510	0.0000000

Comments:

TCLP Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for: Si	Ti	V		
Aluminum	394.401	0.0000000	0.0000000	0.0005300		
Antimony	206.833	-0.0000210	0.0004780	0.0000000		
Arsenic	189.042	0.0000000	0.0000000	0.0000000		
Barium	455.403	0.0000000	0.0000000	0.0000280		
Beryllium	234.861	0.0000000	0.0000000	0.0000000		
Boron	249.678	0.0000000	0.0000000	-0.0001270		
Cadmium	226.502	-0.0000020	0.0000000	0.0000000		
Calcium	393.366	0.0000000	0.0000000	0.0000000		
Chromium	267.716	0.0000000	0.0000590	-0.0000760		
Cobalt	230.786	0.0000000	0.0000000	0.0000000		
Copper	224.7	-0.0000060	0.0004820	-0.0000300		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.353	0.0002440	0.0000000	0.0000000		
Lithium	670.784	0.0000000	0.0000000	0.0000000		
Magnesium	285.213	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Molybdenum	202.03	0.0000000	0.0000000	0.0000000		
Nickel	231.604	0.0000000	0.0000000	0.0000000		
Phosphorus	214.914	0.0000000	0.0000000	0.0000000		
Potassium	766.491	0.0000000	0.0000000	0.0000000		
Selenium	196.0	0.0000000	0.0000000	0.0000000		
Silicon	251.611	0.0000000	0.0000000	0.0000000		
Silver	328.068	0.0000000	-0.0000780	0.0000910		
Sodium	589.592	0.0000000	0.0000000	0.0000000		
Strontium	407.771	0.0000000	0.0000000	0.0000000		
Thallium	190.856	0.0000000	-0.0008960	-0.0007350		
Tin	189.989	0.0000000	-0.0007490	0.0000000		
Titanium	336.121	0.0000000	0.0000000	0.0000000		
Vanadium	292.402	0.0000000	0.0009490	0.0000000		
Zinc	213.856	0.0000000	-0.0003230	0.0000000		

Comments:

TCLP Metals
-12-
ICP LINEAR RANGES (QUARTERLY)

Client: Conestoga-Rovers & Associates, I **Service Request:** K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

ICP ID Number: K-ICP-AES-03

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic	15.000	90000	6010B
Barium	15.000	45000	6010B
Cadmium	15.000	22500	6010B
Chromium	15.000	45000	6010B
Lead	15.000	22500	6010B
Selenium	15.000	90000	6010B
Silver	15.000	1800	6010B

Comments:

TCLP Metals
-13-
PREPARATION LOG

Client: Conestoga-Rovers & Associates, I **Service Request:** K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

Method: CV

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1204583-001	05/18/12	20.0	20.0
K1204583-001D	05/18/12	20.0	20.0
K1204583-001S	05/18/12	20.0	20.0
K1204583-002	05/18/12	20.0	20.0
K1204583-MB	05/18/12	20.0	20.0
LCSW	05/18/12	20.0	20.0

TCLP Metals
-13-
PREPARATION LOG

Client: Conestoga-Rovers & Associates, I **Service Request:** K1204583

Project No.: 056394

Project Name: Former Plainwell Mill

Method: P

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
K1204583-001	05/18/12	50.0	50.0
K1204583-001D	05/18/12	50.0	50.0
K1204583-001S	05/18/12	50.0	50.0
K1204583-002	05/18/12	50.0	50.0
K1204583-MB	05/18/12	50.0	50.0
LCSW	05/18/12	50.0	50.0

TCLP Metals
- 14 -
ANALYSIS RUN LOG

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394 Run Number: 052112A HG2

Project Name: Former Plainwell Mill

Instrument ID Number: K-CVAA-02 Method: CV

Start Date: 05/21/12 End Date: 05/21/12

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Calibration Blank	1.00	09:15																X									
Standard #1	1.00	09:17																X									
Standard #2	1.00	09:18																X									
Standard #3	1.00	09:20																X									
Standard #4	1.00	09:22																X									
Standard #5	1.00	09:23																X									
ICV1	1.00	09:25																X									
ICB1	1.00	09:26																X									
CRDL1	1.00	09:28																X									
CCV1	1.00	09:30																X									
CCB1	1.00	09:31																X									
K1204583-MB	1.00	09:33																X									
LCSW	1.00	09:34																X									
ZZZZZZ	1.00	09:36																									
ZZZZZZ	1.00	09:38																									
ZZZZZZ	1.00	09:39																									
ZZZZZZ	1.00	09:41																									
ZZZZZZ	1.00	09:43																									
ZZZZZZ	1.00	09:44																									
K1204051-006A	1.00	09:46																X									
ZZZZZZ	1.00	09:47																									
CCV2	1.00	09:49																X									
CCB2	1.00	09:51																X									
ZZZZZZ	1.00	09:52																									
ZZZZZZ	1.00	09:54																									
ZZZZZZ	1.00	09:56																									
K1204583-001	1.00	09:57																X									
K1204583-001D	1.00	09:59																X									
K1204583-001S	1.00	10:00																X									
K1204583-002	1.00	10:02																X									
CCV3	1.00	10:04																X									
CCB3	1.00	10:05																X									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

TCLP Metals
- 14 -
ANALYSIS RUN LOG

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394 Run Number: 052212BICP03

Project Name: Former Plainwell Mill

Instrument ID Number: K-ICP-AES-03 Method: P

Start Date: 05/22/12 End Date: 05/22/12

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
BLK	1.00	14:32				X	X		X		X				X						X	X					
STD A	1.00	14:34							X		X				X						X	X					
STD B	1.00	14:36				X	X																				
ZZZZZZ	1.00	14:39																									
ICV1	1.00	14:41				X	X		X		X				X						X	X					
ICB1	1.00	14:43				X	X		X		X				X						X	X					
ZZZZZZ	1.00	14:45																									
LLICV1	1.00	14:48				X	X		X		X				X						X	X					
ZZZZZZ	1.00	14:50																									
ZZZZZZ	1.00	14:52																									
ZZZZZZ	1.00	14:55																									
ZZZZZZ	1.00	14:57																									
CCV1	1.00	15:00				X	X																				
CCV1	1.00	15:02							X		X				X						X	X					
CCB1	1.00	15:04				X	X		X		X				X						X	X					
ICSA	1.00	15:07				X	X		X		X				X						X	X					
ICSAB	1.00	15:09				X	X		X		X				X						X	X					
ZZZZZZ	1.00	15:12																									
ZZZZZZ	1.00	15:14																									
CCV2	1.00	15:16				X	X																				
CCV2	1.00	15:19							X		X				X						X	X					
CCB2	1.00	15:21				X	X		X		X				X						X	X					
ZZZZZZ	1.00	15:23																									
ZZZZZZ	1.00	15:26																									
ZZZZZZ	1.00	15:28																									
ZZZZZZ	1.00	15:31																									
ZZZZZZ	1.00	15:33																									
ZZZZZZ	1.00	15:35																									
ZZZZZZ	1.00	15:38																									
ZZZZZZ	1.00	15:40																									
K1204583-MB	1.00	15:43				X	X		X		X				X						X	X					
LCSW	1.00	15:45				X	X		X		X				X						X	X					

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

TCLP Metals
- 14 -
ANALYSIS RUN LOG

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394 Run Number: 052212BICP03

Project Name: Former Plainwell Mill

Instrument ID Number: K-ICP-AES-03 Method: P

Start Date: 05/22/12 End Date: 05/22/12

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	15:47																										
CCV3	1.00	15:50				X	X																					
CCV3	1.00	15:52							X		X				X							X	X					
CCB3	1.00	15:54				X	X		X		X				X							X	X					
K1204051-001L	5.00	15:57				X	X		X		X				X							X	X					
ZZZZZZ	1.00	15:59																										
ZZZZZZ	1.00	16:01																										
K1204051-001A	1.00	16:04				X	X		X		X				X							X	X					
ZZZZZZ	2.00	16:06																										
ZZZZZZ	1.00	16:08																										
ZZZZZZ	1.00	16:10																										
ZZZZZZ	1.00	16:13																										
ZZZZZZ	1.00	16:15																										
ZZZZZZ	1.00	16:17																										
CCV4	1.00	16:20				X	X																					
CCV4	1.00	16:22							X		X				X							X	X					
CCB4	1.00	16:24				X	X		X		X				X							X	X					
ZZZZZZ	2.00	16:27																										
ZZZZZZ	2.00	16:29																										
ZZZZZZ	2.00	16:31																										
ZZZZZZ	2.00	16:34																										
ZZZZZZ	2.00	16:36																										
ZZZZZZ	2.00	16:38																										
ZZZZZZ	1.00	16:40																										
ZZZZZZ	1.00	16:43																										
ZZZZZZ	1.00	16:45																										
K1204583-001	1.00	16:47				X	X		X		X				X							X	X					
CCV5	1.00	16:49				X	X																					
CCV5	1.00	16:52							X		X				X							X	X					
CCB5	1.00	16:54				X	X		X		X				X							X	X					
ZZZZZZ	1.00	16:57																										
ZZZZZZ	1.00	17:00																										

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

TCLP Metals
- 14 -
ANALYSIS RUN LOG

Client: Conestoga-Rovers & Associates, I Service Request: K1204583

Project No.: 056394 Run Number: 052212BICP03

Project Name: Former Plainwell Mill

Instrument ID Number: K-ICP-AES-03 Method: P

Start Date: 05/22/12 End Date: 05/22/12

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	17:02																									
ZZZZZZ	1.00	17:04																									
K1204583-001D	1.00	17:07				X	X		X		X				X						X	X					
K1204583-001S	1.00	17:09				X	X		X		X				X						X	X					
K1204583-002	1.00	17:12				X	X		X		X				X						X	X					
ZZZZZZ	1.00	17:14																									
ZZZZZZ	1.00	17:16																									
ZZZZZZ	1.00	17:18																									
ZZZZZZ	1.00	17:21																									
ZZZZZZ	1.00	17:23																									
ZZZZZZ	1.00	17:25																									
ZZZZZZ	1.00	17:28																									
CCV6	1.00	17:30				X	X																				
CCV6	1.00	17:32							X		X				X						X	X					
CCB6	1.00	17:34				X	X		X		X				X						X	X					

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Polychlorinated Biphenyls

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Summary Package

Sample and QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583

Cover Page - Organic Analysis Data Package
Polychlorinated Biphenyls (PCBs)

Sample Name	Lab Code	Date Collected	Date Received
SO-56394-051112-EB-009	K1204583-002	05/11/2012	05/12/2012

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:_____ Name:_____

Date:_____ Title:_____

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Collected: 05/11/2012
Date Received: 05/12/2012

Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56394-051112-EB-009
Lab Code: K1204583-002

Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	730	210	100	05/20/12	05/30/12	KWG1205367	
Aroclor 1221	ND	U	1500	210	100	05/20/12	05/30/12	KWG1205367	
Aroclor 1232	ND	U	730	210	100	05/20/12	05/30/12	KWG1205367	
Aroclor 1242	**9900**	D	730	210	100	05/20/12	05/30/12	KWG1205367	
Aroclor 1248	ND	U	730	210	100	05/20/12	05/30/12	KWG1205367	
Aroclor 1254	ND	U	730	210	100	05/20/12	05/30/12	KWG1205367	
Aroclor 1260	ND	U	730	210	100	05/20/12	05/30/12	KWG1205367	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	159	35-133	05/30/12	Outside Control Limits

Comments:

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG1205367-4

Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	5.0	2.1	1	05/20/12	05/26/12	KWG1205367	
Aroclor 1221	ND	U	9.9	2.1	1	05/20/12	05/26/12	KWG1205367	
Aroclor 1232	ND	U	5.0	2.1	1	05/20/12	05/26/12	KWG1205367	
Aroclor 1242	ND	U	5.0	2.1	1	05/20/12	05/26/12	KWG1205367	
Aroclor 1248	ND	U	5.0	2.1	1	05/20/12	05/26/12	KWG1205367	
Aroclor 1254	ND	U	5.0	2.1	1	05/20/12	05/26/12	KWG1205367	
Aroclor 1260	ND	U	5.0	2.1	1	05/20/12	05/26/12	KWG1205367	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	35-133	05/26/12	Acceptable

Comments:

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3541
Analysis Method: 8082A

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
SO-56394-051112-EB-009	K1204583-002	159 D #
Batch QC	K1204775-006	89
Method Blank	KWG1205367-4	87
Batch QCMS	KWG1205367-1	88
Batch QCDMS	KWG1205367-2	84
Lab Control Sample	KWG1205367-3	102

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl	35-133

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Extracted: 05/20/2012
Date Analyzed: 05/26/2012

Matrix Spike/Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs)

Sample Name: Batch QC
Lab Code: K1204775-006

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8082A

Level: Low
Extraction Lot: KWG1205367

Analyte Name	Sample Result	Batch QCMS KWG1205367-1 Matrix Spike			Batch QCDMS KWG1205367-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	ND	105	122	85	101	122	83	27-128	3	40
Aroclor 1260	ND	104	122	85	101	122	82	29-131	4	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Extracted: 05/20/2012
Date Analyzed: 05/26/2012

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1205367

	Lab Control Sample KWG1205367-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Aroclor 1016	192	200	96	37-121
Aroclor 1260	203	200	102	42-123

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Extracted: 05/20/2012
Date Analyzed: 05/26/2012
Time Analyzed: 18:51

Method Blank Summary
Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG1205367-4

Extraction Method: EPA 3541
Analysis Method: 8082A

Instrument ID: GC32.i
File ID: J:\GC32\DATA\052612.B\0526F036.D

Level: Low
Extraction Lot: KWG1205367

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Batch QC	K1204775-006	J:\GC32\DATA\052612.B\0526F027.D	05/26/12	14:25
Batch QCMS	KWG1205367-1	J:\GC32\DATA\052612.B\0526F028.D	05/26/12	14:55
Batch QCDMS	KWG1205367-2	J:\GC32\DATA\052612.B\0526F029.D	05/26/12	15:24
Lab Control Sample	KWG1205367-3	J:\GC32\DATA\052612.B\0526F035.D	05/26/12	18:22
SO-56394-051112-EB-009	K1204583-002	J:\GC32\DATA\052912A.B\0529F036.D	05/30/12	01:33

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Extracted: 05/20/2012
Date Analyzed: 05/26/2012
Time Analyzed: 18:22

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG1205367-3

Extraction Method: EPA 3541
Analysis Method: 8082A

Instrument ID: GC32.i
File ID: J:\GC32\DATA\052612.B\0526F035.D

Level: Low
Extraction Lot: KWG1205367

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Batch QC	K1204775-006	J:\GC32\DATA\052612.B\0526F027.D	05/26/12	14:25
Batch QCMS	KWG1205367-1	J:\GC32\DATA\052612.B\0526F028.D	05/26/12	14:55
Batch QCDMS	KWG1205367-2	J:\GC32\DATA\052612.B\0526F029.D	05/26/12	15:24
Method Blank	KWG1205367-4	J:\GC32\DATA\052612.B\0526F036.D	05/26/12	18:51
SO-56394-051112-EB-009	K1204583-002	J:\GC32\DATA\052912A.B\0529F036.D	05/30/12	01:33

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 04/05/2012

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL11401
Instrument ID: GC32.i

Column: DB-35MS

Level ID	File ID
A	\\cash1\acqudata\GC32\Data\040512.b\0405F003.D
B	\\cash1\acqudata\GC32\Data\040512.b\0405F004.D
C	\\cash1\acqudata\GC32\Data\040512.b\0405F005.D
D	\\cash1\acqudata\GC32\Data\040512.b\0405F006.D
E	\\cash1\acqudata\GC32\Data\040512.b\0405F007.D
F	\\cash1\acqudata\GC32\Data\040512.b\0405F008.D
G	\\cash1\acqudata\GC32\Data\040512.b\0405F009.D
H	\\cash1\acqudata\GC32\Data\040512.b\0405F010.D
I	\\cash1\acqudata\GC32\Data\040512.b\0405F011.D
J	\\cash1\acqudata\GC32\Data\040512.b\0405F012.D
K	\\cash1\acqudata\GC32\Data\040512.b\0405F013.D
L	\\cash1\acqudata\GC32\Data\040512.b\0405F014.D
M	\\cash1\acqudata\GC32\Data\040512.b\0405F015.D
N	\\cash1\acqudata\GC32\Data\040512.b\0405F016.D
O	\\cash1\acqudata\GC32\Data\040512.b\0405F017.D
P	\\cash1\acqudata\GC32\Data\040512.b\0405F018.D
Q	\\cash1\acqudata\GC32\Data\040512.b\0405F019.D
R	\\cash1\acqudata\GC32\Data\040512.b\0405F020.D
S	\\cash1\acqudata\GC32\Data\040512.b\0405F021.D
T	\\cash1\acqudata\GC32\Data\040512.b\0405F022.D
U	\\cash1\acqudata\GC32\Data\040512.b\0405F023.D
V	\\cash1\acqudata\GC32\Data\040512.b\0405F024.D
W	\\cash1\acqudata\GC32\Data\040512.b\0405F025.D
X	\\cash1\acqudata\GC32\Data\040512.b\0405F026.D
Y	\\cash1\acqudata\GC32\Data\040512.b\0405F027.D
Z	\\cash1\acqudata\GC32\Data\040512.b\0405F028.D
AA	\\cash1\acqudata\GC32\Data\040512.b\0405F029.D
AB	\\cash1\acqudata\GC32\Data\040512.b\0405F030.D
AC	\\cash1\acqudata\GC32\Data\040512.b\0405F031.D
AD	\\cash1\acqudata\GC32\Data\040512.b\0405F032.D

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl	A	2.5	80000	B	5.0	74300	C	50	69900	D	100	66600	E	200	62400
	F	500	59800												
Aroclor 1016 {1}	A	25	1220	B	50	1150	C	500	1130	D	1000	1110	E	2000	1020
	F	5000	944												
Aroclor 1016 {2}	A	25	4170	B	50	3860	C	500	3410	D	1000	3250	E	2000	3370
	F	5000	2960												
Aroclor 1016 {3}	A	25	2590	B	50	2620	C	500	2460	D	1000	2320	E	2000	2180
	F	5000	2040												
Aroclor 1016 {4}	A	25	2030	B	50	2080	C	500	1910	D	1000	1840	E	2000	1700
	F	5000	1560												
Aroclor 1016 {5}	A	25	2350	B	50	2070	C	500	1970	D	1000	1880	E	2000	1750
	F	5000	1630												
Aroclor 1260 {1}	A	25	4410	B	50	4320	C	500	3980	D	1000	3750	E	2000	3480
	F	5000	3260												
Aroclor 1260 {2}	A	25	5930	B	50	5380	C	500	5010	D	1000	4700	E	2000	4410
	F	5000	4150												
Aroclor 1260 {3}	A	25	4970	B	50	5120	C	500	4660	D	1000	4380	E	2000	4090
	F	5000	3910												
Aroclor 1260 {4}	A	25	3580	B	50	3500	C	500	3410	D	1000	3260	E	2000	3040
	F	5000	2860												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 04/05/2012

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL11401
Instrument ID: GC32.i

Column: DB-35MS

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {5}	A	25	8430	B	50	8060	C	500	7630	D	1000	7320	E	2000	7050
	F	5000	6930												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 04/05/2012

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL11401
Instrument ID: GC32.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	10.9		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	8.9		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	12.5		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	9.7		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	10.7		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	13.0		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	11.8		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	13.2		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	10.7		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	8.5		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	7.8		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 04/05/2012
Date Analyzed: 04/06/2012

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration ID: CAL11401
Units: ng/mL

File ID: \\cash1\acqudata\GC32\Data\040512.b\0405F033.D
\\cash1\acqudata\GC32\Data\040512.b\0405F034.D
\\cash1\acqudata\GC32\Data\040512.b\0405F035.D
\\cash1\acqudata\GC32\Data\040512.b\0405F036.D
\\cash1\acqudata\GC32\Data\040512.b\0405F037.D
\\cash1\acqudata\GC32\Data\040512.b\0405F038.D
\\cash1\acqudata\GC32\Data\040512.b\0405F039.D
\\cash1\acqudata\GC32\Data\040512.b\0405F040.D
\\cash1\acqudata\GC32\Data\040512.b\0405F041.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016 {1}	1000	1000	1100	1130	4	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	3510	3620	3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1000	2370	2410	2	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	980	1850	1820	-2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1000	1940	2000	3	NA	± 100 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	2	± 20 %	NA
Aroclor 1260 {1}	1000	940	3870	3630	-6	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	930	4930	4590	-7	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	840	4520	3800	-16	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	3280	3630	11	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	7570	8160	8	NA	± 100 %	AverageRF
Aroclor 1260	1000	980	NA	NA	NA	-2	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 04/05/2012

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL11401
Instrument ID: GC32.i

Column: DB-XLB

Level ID	File ID
A	\\cash1\acqudata\GC32\Data\040512_r.b\0405F003.D
B	\\cash1\acqudata\GC32\Data\040512_r.b\0405F004.D
C	\\cash1\acqudata\GC32\Data\040512_r.b\0405F005.D
D	\\cash1\acqudata\GC32\Data\040512_r.b\0405F006.D
E	\\cash1\acqudata\GC32\Data\040512_r.b\0405F007.D
F	\\cash1\acqudata\GC32\Data\040512_r.b\0405F008.D
G	\\cash1\acqudata\GC32\Data\040512_r.b\0405F009.D
H	\\cash1\acqudata\GC32\Data\040512_r.b\0405F010.D
I	\\cash1\acqudata\GC32\Data\040512_r.b\0405F011.D
J	\\cash1\acqudata\GC32\Data\040512_r.b\0405F012.D
K	\\cash1\acqudata\GC32\Data\040512_r.b\0405F013.D
L	\\cash1\acqudata\GC32\Data\040512_r.b\0405F014.D
M	\\cash1\acqudata\GC32\Data\040512_r.b\0405F015.D
N	\\cash1\acqudata\GC32\Data\040512_r.b\0405F016.D
O	\\cash1\acqudata\GC32\Data\040512_r.b\0405F017.D
P	\\cash1\acqudata\GC32\Data\040512_r.b\0405F018.D

Level ID	File ID
Q	\\cash1\acqudata\GC32\Data\040512_r.b\0405F019.D
R	\\cash1\acqudata\GC32\Data\040512_r.b\0405F020.D
S	\\cash1\acqudata\GC32\Data\040512_r.b\0405F021.D
T	\\cash1\acqudata\GC32\Data\040512_r.b\0405F022.D
U	\\cash1\acqudata\GC32\Data\040512_r.b\0405F023.D
V	\\cash1\acqudata\GC32\Data\040512_r.b\0405F024.D
W	\\cash1\acqudata\GC32\Data\040512_r.b\0405F025.D
X	\\cash1\acqudata\GC32\Data\040512_r.b\0405F026.D
Y	\\cash1\acqudata\GC32\Data\040512_r.b\0405F027.D
Z	\\cash1\acqudata\GC32\Data\040512_r.b\0405F028.D
AA	\\cash1\acqudata\GC32\Data\040512_r.b\0405F029.D
AB	\\cash1\acqudata\GC32\Data\040512_r.b\0405F030.D
AC	\\cash1\acqudata\GC32\Data\040512_r.b\0405F031.D
AD	\\cash1\acqudata\GC32\Data\040512_r.b\0405F032.D

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl				B	5.0	90900	C	50	72900	D	100	66900	E	200	62800
	F	500	55000												
Aroclor 1016 {1}	A	25	2200	B	50	2250	C	500	2300	D	1000	2170	E	2000	2040
	F	5000	1880												
Aroclor 1016 {2}	A	25	4030	B	50	3870	C	500	3940	D	1000	3790	E	2000	3520
	F	5000	3330												
Aroclor 1016 {3}	A	25	2050	B	50	1950	C	500	2120	D	1000	2080	E	2000	1940
	F	5000	1790												
Aroclor 1016 {4}	A	25	1880	B	50	1840	C	500	1830	D	1000	1750	E	2000	1590
	F	5000	1420												
Aroclor 1016 {5}	A	25	2020	B	50	1990	C	500	2020	D	1000	1930	E	2000	1770
	F	5000	1590												
Aroclor 1260 {1}	A	25	4790	B	50	4590	C	500	4470	D	1000	4320	E	2000	3840
	F	5000	3530												
Aroclor 1260 {2}	A	25	5680	B	50	5780	C	500	5500	D	1000	5240	E	2000	4740
	F	5000	4430												
Aroclor 1260 {3}	A	25	6620	B	50	6570	C	500	6500	D	1000	6030	E	2000	5630
	F	5000	5310												
Aroclor 1260 {4}	A	25	3560	B	50	3530	C	500	3590	D	1000	3280	E	2000	3080
	F	5000	2820												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 04/05/2012

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL11401
Instrument ID: GC32.i

Column: DB-XLB

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {5}	A	25	9190	B	50	8970	C	500	8180	D	1000	7530	E	2000	7360
	F	5000	6930												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 04/05/2012

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL11401
Instrument ID: GC32.i

Column: DB-XLB

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	19.4		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	7.3		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	7.2		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	6.1		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	10.5		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	9.2		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	11.3		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	10.3		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	9.0		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	9.4		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	11.4		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 04/05/2012
Date Analyzed: 04/06/2012

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration ID: CAL11401
Units: ng/mL

File ID:
\\cash1\acqudata\GC32\Data\040512_r.b\0405F033.D
\\cash1\acqudata\GC32\Data\040512_r.b\0405F034.D
\\cash1\acqudata\GC32\Data\040512_r.b\0405F035.D
\\cash1\acqudata\GC32\Data\040512_r.b\0405F036.D
\\cash1\acqudata\GC32\Data\040512_r.b\0405F037.D
\\cash1\acqudata\GC32\Data\040512_r.b\0405F038.D
\\cash1\acqudata\GC32\Data\040512_r.b\0405F039.D
\\cash1\acqudata\GC32\Data\040512_r.b\0405F040.D
\\cash1\acqudata\GC32\Data\040512_r.b\0405F041.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016 {1}	1000	1000	2140	2240	5	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	3750	3880	4	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	1990	2140	8	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	1720	1740	1	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	1890	1990	6	NA	± 100 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	5	± 20 %	NA
Aroclor 1260 {1}	1000	970	4250	4120	-3	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	970	5230	5050	-3	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	890	6110	5440	-11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	3310	3820	15	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	8030	8530	6	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	1	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound ‡ CCC Compound

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/26/2012

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 04/05/2012
Calibration ID: CAL11401
Analysis Lot: KWG1205561
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC32\DATA\052612.B\0526F025.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	100	68800	69500	1	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1100	1100	1150	5	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	970	3510	3400	-3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1000	2370	2480	5	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	1850	1970	6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1000	1940	2010	3	NA	± 100 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	3	± 20 %	NA
Aroclor 1260 {1}	1000	1000	3870	3980	3	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1000	4930	4990	1	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	4520	4710	4	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	3280	3440	5	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	7570	7760	3	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	3	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/26/2012

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 04/05/2012
Calibration ID: CAL11401
Analysis Lot: KWG1205561
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC32\DATA\052612_R.B\0526F025.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	100	69700	70000	0	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1100	2140	2310	8	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	3750	4100	9	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	1990	2280	15	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	1720	1900	11	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	1890	2120	12	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	11	± 20 %	NA
Aroclor 1260 {1}	1000	1100	4250	4550	7	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	5230	5580	7	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	6110	6450	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	3310	3530	7	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	8030	8080	1	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	5	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/26/2012

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 04/05/2012
Calibration ID: CAL11401
Analysis Lot: KWG1205561
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC32\DATA\052612.B\0526F037.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	100	68800	69000	0	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1100	1100	1170	7	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	3510	3630	3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1000	2370	2480	5	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	1850	1970	6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1000	1940	2020	4	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	5	± 20 %	NA
Aroclor 1260 {1}	1000	1000	3870	4000	3	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1000	4930	5010	2	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	4520	4650	3	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	3280	3470	6	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	7570	7760	2	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	3	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/26/2012

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 04/05/2012
Calibration ID: CAL11401
Analysis Lot: KWG1205561
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC32\DATA\052612_R.B\0526F037.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	100	69700	71800	3	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1100	2140	2310	8	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	3750	4060	8	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	1990	2260	14	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	1720	1890	10	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	1890	2090	11	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	10	± 20 %	NA
Aroclor 1260 {1}	1000	1100	4250	4660	10	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	5230	5730	10	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	6110	6780	11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	3310	3750	13	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	8030	8600	7	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	10	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/30/2012

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 04/05/2012
Calibration ID: CAL11401
Analysis Lot: KWG1205873
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC32\DATA\052912A.B\0529F034.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	96	68800	66200	-4	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1000	1100	1140	4	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	990	3510	3460	-1	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1000	2370	2410	2	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	1850	1890	2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1000	1940	1950	0	NA	± 100 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	1	± 20 %	NA
Aroclor 1260 {1}	1000	1000	3870	3900	1	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	990	4930	4880	-1	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	4520	4650	3	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	3280	3380	3	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	7570	7540	0	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	1	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/30/2012

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 04/05/2012
Calibration ID: CAL11401
Analysis Lot: KWG1205873
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC32\DATA\052912A_R.B\0529F034.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	69700	76600	10	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1100	2140	2260	5	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	3750	3910	4	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	1990	2220	12	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	1720	1870	9	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	1890	2080	10	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	8	± 20 %	NA
Aroclor 1260 {1}	1000	1100	4250	4590	8	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	5230	5640	8	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	6110	6610	8	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	3310	3650	10	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	8030	8490	6	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	8	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/30/2012

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 04/05/2012
Calibration ID: CAL11401
Analysis Lot: KWG1205873
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC32\DATA\052912A.B\0529F045.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	95	68800	65600	-5	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1000	1100	1140	4	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	3510	3500	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1000	2370	2410	2	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	1850	1900	2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1000	1940	1940	0	NA	± 100 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	1	± 20 %	NA
Aroclor 1260 {1}	1000	1000	3870	3850	0	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	980	4930	4810	-2	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	4520	4500	0	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	3280	3340	2	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	990	7570	7480	-1	NA	± 100 %	AverageRF
Aroclor 1260	1000	990	NA	NA	NA	-1	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/30/2012

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082A

Calibration Date: 04/05/2012
Calibration ID: CAL11401
Analysis Lot: KWG1205873
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC32\DATA\052912A_R.B\0529F045.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	99	69700	68700	-1	NA	± 20 %	AverageRF
Aroclor 1016 {1}	1000	1000	2140	2220	4	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	3750	3980	6	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	1990	2200	11	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	1720	1840	7	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	1890	2050	9	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	7	± 20 %	NA
Aroclor 1260 {1}	1000	1100	4250	4500	6	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	5230	5500	5	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	6110	6480	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	3310	3560	7	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	8030	8290	3	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	6	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Service Request: K1204583

Analysis Run Log
Polychlorinated Biphenyls (PCBs)

Analysis Method: 8082A
Analysis Lot: KWG1205561
Instrument ID: GC32.i
Column: DB-35MS

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0526F001.D	Continuing Calibration Verification	KWG1205561-1	5/26/2012	01:45		5/26/2012	01:45
0526F002.D	Instrument Blank	KWG1205561-2	5/26/2012	02:15		5/26/2012	02:15
0526F003.D	ZZZZZZ	ZZZZZZ	5/26/2012	02:45		5/26/2012	02:45
0526F004.D	ZZZZZZ	ZZZZZZ	5/26/2012	03:14		5/26/2012	03:14
0526F005.D	ZZZZZZ	ZZZZZZ	5/26/2012	03:43		5/26/2012	03:43
0526F006.D	ZZZZZZ	ZZZZZZ	5/26/2012	04:12		5/26/2012	04:12
0526F007.D	ZZZZZZ	ZZZZZZ	5/26/2012	04:41		5/26/2012	04:41
0526F008.D	ZZZZZZ	ZZZZZZ	5/26/2012	05:10		5/26/2012	05:10
0526F009.D	ZZZZZZ	ZZZZZZ	5/26/2012	05:39		5/26/2012	05:39
0526F010.D	ZZZZZZ	ZZZZZZ	5/26/2012	06:08		5/26/2012	06:08
0526F011.D	ZZZZZZ	ZZZZZZ	5/26/2012	06:37		5/26/2012	06:37
0526F012.D	ZZZZZZ	ZZZZZZ	5/26/2012	07:06		5/26/2012	07:06
0526F013.D	Continuing Calibration Verification	KWG1205561-3	5/26/2012	07:35		5/26/2012	07:35
0526F014.D	Instrument Blank	KWG1205561-4	5/26/2012	08:04		5/26/2012	08:04
0526F015.D	ZZZZZZ	ZZZZZZ	5/26/2012	08:33		5/26/2012	08:33
0526F016.D	ZZZZZZ	ZZZZZZ	5/26/2012	09:02		5/26/2012	09:02
0526F017.D	ZZZZZZ	ZZZZZZ	5/26/2012	09:31		5/26/2012	09:31
0526F018.D	ZZZZZZ	ZZZZZZ	5/26/2012	10:00		5/26/2012	10:00
0526F023.D	ZZZZZZ	ZZZZZZ	5/26/2012	12:26		5/26/2012	12:26
0526F024.D	ZZZZZZ	ZZZZZZ	5/26/2012	12:56		5/26/2012	12:56
0526F025.D	Continuing Calibration Verification	KWG1205561-5	5/26/2012	13:26		5/26/2012	13:26
0526F026.D	Instrument Blank	KWG1205561-6	5/26/2012	13:56		5/26/2012	13:56
0526F027.D	Batch QC	K1204775-006	5/26/2012	14:25		5/26/2012	14:25
0526F028.D	Batch QCMS	KWG1205367-1	5/26/2012	14:55		5/26/2012	14:55
0526F029.D	Batch QCDMS	KWG1205367-2	5/26/2012	15:24		5/26/2012	15:24
0526F030.D	ZZZZZZ	ZZZZZZ	5/26/2012	15:54		5/26/2012	15:54
0526F031.D	ZZZZZZ	ZZZZZZ	5/26/2012	16:23		5/26/2012	16:23
0526F032.D	ZZZZZZ	ZZZZZZ	5/26/2012	16:53		5/26/2012	16:53
0526F033.D	ZZZZZZ	ZZZZZZ	5/26/2012	17:23		5/26/2012	17:23
0526F034.D	ZZZZZZ	ZZZZZZ	5/26/2012	17:52		5/26/2012	17:52
0526F035.D	Lab Control Sample	KWG1205367-3	5/26/2012	18:22		5/26/2012	18:22
0526F036.D	Method Blank	KWG1205367-4	5/26/2012	18:51		5/26/2012	18:51
0526F037.D	Continuing Calibration Verification	KWG1205561-7	5/26/2012	19:20		5/26/2012	19:20
0526F038.D	Instrument Blank	KWG1205561-8	5/26/2012	19:49		5/26/2012	19:49

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Service Request: K1204583

Analysis Run Log
Polychlorinated Biphenyls (PCBs)

Analysis Method: 8082A
Analysis Lot: KWG1205561
Instrument ID: GC32.i
Column: DB-35MS

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0526F039.D	ZZZZZZ	ZZZZZZ	5/26/2012	20:18		5/26/2012	20:18
0526F040.D	ZZZZZZ	ZZZZZZ	5/26/2012	20:47		5/26/2012	20:47
0526F041.D	ZZZZZZ	ZZZZZZ	5/26/2012	21:16		5/26/2012	21:16
0526F042.D	ZZZZZZ	ZZZZZZ	5/26/2012	21:46		5/26/2012	21:46
0526F043.D	ZZZZZZ	ZZZZZZ	5/26/2012	22:15		5/26/2012	22:15
0526F044.D	ZZZZZZ	ZZZZZZ	5/26/2012	22:44		5/26/2012	22:44
0526F045.D	ZZZZZZ	ZZZZZZ	5/26/2012	23:14		5/26/2012	23:14
0526F046.D	ZZZZZZ	ZZZZZZ	5/26/2012	23:43		5/26/2012	23:43
0526F047.D	ZZZZZZ	ZZZZZZ	5/27/2012	00:12		5/27/2012	00:12
0526F048.D	ZZZZZZ	ZZZZZZ	5/27/2012	00:41		5/27/2012	00:41
0526F049.D	Continuing Calibration Verification	KWG1205561-9	5/27/2012	01:10		5/27/2012	01:10
0526F050.D	Instrument Blank	KWG1205561-10	5/27/2012	01:39		5/27/2012	01:39
0526F051.D	ZZZZZZ	ZZZZZZ	5/27/2012	02:08		5/27/2012	02:08
0526F052.D	ZZZZZZ	ZZZZZZ	5/27/2012	02:37		5/27/2012	02:37
0526F053.D	ZZZZZZ	ZZZZZZ	5/27/2012	03:06		5/27/2012	03:06
0526F054.D	ZZZZZZ	ZZZZZZ	5/27/2012	03:35		5/27/2012	03:35
0526F055.D	ZZZZZZ	ZZZZZZ	5/27/2012	04:04		5/27/2012	04:04
0526F056.D	ZZZZZZ	ZZZZZZ	5/27/2012	04:34		5/27/2012	04:34
0526F057.D	ZZZZZZ	ZZZZZZ	5/27/2012	05:03		5/27/2012	05:03
0526F058.D	ZZZZZZ	ZZZZZZ	5/27/2012	05:32		5/27/2012	05:32
0526F059.D	ZZZZZZ	ZZZZZZ	5/27/2012	06:02		5/27/2012	06:02
0526F060.D	Continuing Calibration Verification	KWG1205561-11	5/27/2012	06:31		5/27/2012	06:31
0526F061.D	Instrument Blank	KWG1205561-12	5/27/2012	07:00		5/27/2012	07:00
0526F062.D	ZZZZZZ	ZZZZZZ	5/27/2012	07:29		5/27/2012	07:29
0526F063.D	ZZZZZZ	ZZZZZZ	5/27/2012	07:59		5/27/2012	07:59
0526F064.D	ZZZZZZ	ZZZZZZ	5/27/2012	08:28		5/27/2012	08:28
0526F065.D	ZZZZZZ	ZZZZZZ	5/27/2012	08:58		5/27/2012	08:58
0526F066.D	ZZZZZZ	ZZZZZZ	5/27/2012	09:27		5/27/2012	09:27
0526F067.D	ZZZZZZ	ZZZZZZ	5/27/2012	09:56		5/27/2012	09:56
0526F069.D	ZZZZZZ	ZZZZZZ	5/27/2012	10:54		5/27/2012	10:54
0526F070.D	ZZZZZZ	ZZZZZZ	5/27/2012	11:23		5/27/2012	11:23
0526F071.D	Continuing Calibration Verification	KWG1205561-13	5/27/2012	11:52		5/27/2012	11:52
0526F072.D	Instrument Blank	KWG1205561-14	5/27/2012	12:21		5/27/2012	12:21
0526F073.D	ZZZZZZ	ZZZZZZ	5/27/2012	12:50		5/27/2012	12:50

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Service Request: K1204583

Analysis Run Log
Polychlorinated Biphenyls (PCBs)

Analysis Method: 8082A

Analysis Lot: KWG1205561
Instrument ID: GC32.i
Column: DB-35MS

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0526F074.D	ZZZZZZ	ZZZZZZ	5/27/2012	13:20		5/27/2012	13:20
0526F075.D	ZZZZZZ	ZZZZZZ	5/27/2012	13:49		5/27/2012	13:49
0526F076.D	ZZZZZZ	ZZZZZZ	5/27/2012	14:18		5/27/2012	14:18
0526F077.D	ZZZZZZ	ZZZZZZ	5/27/2012	14:47		5/27/2012	14:47
0526F081.D	ZZZZZZ	ZZZZZZ	5/27/2012	16:46		5/27/2012	16:46
0526F082.D	Continuing Calibration Verification	KWG1205561-15	5/27/2012	17:15		5/27/2012	17:15
0526F083.D	Instrument Blank	KWG1205561-16	5/27/2012	17:44		5/27/2012	17:44
0526F084.D	ZZZZZZ	ZZZZZZ	5/27/2012	18:14		5/27/2012	18:14
0526F085.D	ZZZZZZ	ZZZZZZ	5/27/2012	18:44		5/27/2012	18:44
0526F086.D	ZZZZZZ	ZZZZZZ	5/27/2012	19:13		5/27/2012	19:13
0526F087.D	ZZZZZZ	ZZZZZZ	5/27/2012	19:43		5/27/2012	19:43
0526F088.D	ZZZZZZ	ZZZZZZ	5/27/2012	20:12		5/27/2012	20:12
0526F089.D	ZZZZZZ	ZZZZZZ	5/27/2012	20:41		5/27/2012	20:41
0526F090.D	Continuing Calibration Verification	KWG1205561-17	5/27/2012	21:10		5/27/2012	21:10
0526F091.D	Instrument Blank	KWG1205561-18	5/27/2012	21:39		5/27/2012	21:39

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Service Request: K1204583

Analysis Run Log
Polychlorinated Biphenyls (PCBs)

Analysis Method: 8082A
Analysis Lot: KWG1205873
Instrument ID: GC32.i
Column: DB-35MS

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0529F034.D	Continuing Calibration Verification	KWG1205873-1	5/30/2012	00:35		5/30/2012	00:35
0529F035.D	Instrument Blank	KWG1205873-2	5/30/2012	01:04		5/30/2012	01:04
0529F036.D	SO-56394-051112-EB-009	K1204583-002	5/30/2012	01:33		5/30/2012	01:33
0529F037.D	ZZZZZZ	ZZZZZZ	5/30/2012	02:02		5/30/2012	02:02
0529F038.D	ZZZZZZ	ZZZZZZ	5/30/2012	02:31		5/30/2012	02:31
0529F039.D	ZZZZZZ	ZZZZZZ	5/30/2012	03:00		5/30/2012	03:00
0529F040.D	ZZZZZZ	ZZZZZZ	5/30/2012	03:29		5/30/2012	03:29
0529F041.D	ZZZZZZ	ZZZZZZ	5/30/2012	03:58		5/30/2012	03:58
0529F042.D	ZZZZZZ	ZZZZZZ	5/30/2012	04:27		5/30/2012	04:27
0529F043.D	ZZZZZZ	ZZZZZZ	5/30/2012	04:56		5/30/2012	04:56
0529F044.D	ZZZZZZ	ZZZZZZ	5/30/2012	05:25		5/30/2012	05:25
0529F045.D	Continuing Calibration Verification	KWG1205873-3	5/30/2012	05:54		5/30/2012	05:54
0529F046.D	Instrument Blank	KWG1205873-4	5/30/2012	06:23		5/30/2012	06:23
0529F047.D	ZZZZZZ	ZZZZZZ	5/30/2012	06:53		5/30/2012	06:53
0529F048.D	ZZZZZZ	ZZZZZZ	5/30/2012	07:22		5/30/2012	07:22
0529F049.D	ZZZZZZ	ZZZZZZ	5/30/2012	07:51		5/30/2012	07:51
0529F050.D	ZZZZZZ	ZZZZZZ	5/30/2012	08:20		5/30/2012	08:20
0529F051.D	ZZZZZZ	ZZZZZZ	5/30/2012	08:49		5/30/2012	08:49
0529F052.D	ZZZZZZ	ZZZZZZ	5/30/2012	09:18		5/30/2012	09:18
0529F053.D	ZZZZZZ	ZZZZZZ	5/30/2012	09:47		5/30/2012	09:47
0529F054.D	ZZZZZZ	ZZZZZZ	5/30/2012	10:16		5/30/2012	10:16
0529F055.D	ZZZZZZ	ZZZZZZ	5/30/2012	10:45		5/30/2012	10:45
0529F056.D	Continuing Calibration Verification	KWG1205873-5	5/30/2012	11:14		5/30/2012	11:14
0529F057.D	Instrument Blank	KWG1205873-6	5/30/2012	11:43		5/30/2012	11:43
0529F058.D	ZZZZZZ	ZZZZZZ	5/30/2012	12:12		5/30/2012	12:12
0529F059.D	ZZZZZZ	ZZZZZZ	5/30/2012	12:42		5/30/2012	12:42
0529F060.D	ZZZZZZ	ZZZZZZ	5/30/2012	13:12		5/30/2012	13:12
0529F061.D	ZZZZZZ	ZZZZZZ	5/30/2012	13:41		5/30/2012	13:41
0529F062.D	ZZZZZZ	ZZZZZZ	5/30/2012	14:10		5/30/2012	14:10
0529F063.D	Continuing Calibration Verification	KWG1205873-7	5/30/2012	14:40		5/30/2012	14:40
0529F064.D	Instrument Blank	KWG1205873-8	5/30/2012	15:09		5/30/2012	15:09

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Extracted: 05/20/2012

Extraction Prep Log
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3541
Analysis Method: 8082A

Extraction Lot: KWG1205367
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SO-56394-051112-EB-009	K1204583-002	05/11/12	05/12/12	40.083g	4mL	68.9	
Method Blank	KWG1205367-4	NA	NA	40.442g	4mL	NA	
Batch QC	K1204775-006	NA	NA	40.391g	4mL	81.6	
Batch QCMS	KWG1205367-1	NA	NA	40.039g	4mL	81.6	
Batch QCDMS	KWG1205367-2	NA	NA	40.047g	4mL	81.6	
Lab Control Sample	KWG1205367-3	NA	NA	20.000g	4mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Collected: 05/11/2012
Date Received: 05/12/2012
Date Extracted: 05/20/2012

Polychlorinated Biphenyls (PCBs)

Sample Name: SO-56394-051112-EB-009
Lab Code: K1204583-002

Extraction Method: EPA 3541
Analysis Method: 8082A

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1242	730	210	9900	11000	10.5	D	100	05/30/12

Volatile Organic Compounds

Organic Analysis:
Volatile Organic Compounds

Summary Package

Sample and QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Service Request: K1204583

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
SO-56394-051112-EB-009	K1204583-002	05/11/2012	05/12/2012
SO-56394-051112-EB-009MS	KWG1205691-1	05/11/2012	05/12/2012

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Holly Butcher
Name: Holly Butcher
Date: 06-05-2012
Title: Scientist

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Collected: 05/11/2012
Date Received: 05/12/2012
Date Prepared: 05/16/2012

Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction
Volatile Organic Compounds

Sample Name: SO-56394-051112-EB-009
Lab Code: K1204583-002

Units: mg/L
Basis: NA

Preparation Method: EPA 1311ZHE
Extraction Method: EPA 5030B
Analysis Method: 8260C

Level: Low

Analyte Name	Result	Q	MRL	Regulatory Limit	Dilution Factor	Date Extracted	Date Analyzed	Note
Vinyl Chloride	ND	U	0.080	0.2	1	05/30/12	05/30/12	
1,1-Dichloroethene	ND	U	0.20	0.7	1	05/30/12	05/30/12	
2-Butanone (MEK)	ND	U	8.0	200	1	05/30/12	05/30/12	*
Chloroform	ND	U	0.20	6	1	05/30/12	05/30/12	
Carbon Tetrachloride	ND	U	0.20	0.5	1	05/30/12	05/30/12	
Benzene	ND	U	0.20	0.5	1	05/30/12	05/30/12	
1,2-Dichloroethane (EDC)	ND	U	0.20	0.5	1	05/30/12	05/30/12	
Trichloroethene (TCE)	ND	U	0.20	0.5	1	05/30/12	05/30/12	
Tetrachloroethene (PCE)	ND	U	0.20	0.7	1	05/30/12	05/30/12	
Chlorobenzene	ND	U	0.20	100	1	05/30/12	05/30/12	
1,4-Dichlorobenzene	ND	U	0.20	7.5	1	05/30/12	05/30/12	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Note
Dibromofluoromethane	79	73-122	Acceptable
Toluene-d8	90	65-144	Acceptable
4-Bromofluorobenzene	79	68-117	Acceptable

Comments:

Client:	Conestoga-Rovers & Associates, Incorpora	**Service Request:**	K1204583
Project:	Former Plainwell Mill/056394	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Prepared:	05/16/2012

Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction
Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	mg/L
Lab Code:	KWG1205691-3	**Basis:**	NA
Preparation Method:	EPA 1311ZHE	**Level:**	Low
Extraction Method:	EPA 5030B		
Analysis Method:	8260C		

Analyte Name	Result	Q	MRL	Regulatory Limit	Dilution Factor	Date Extracted	Date Analyzed	Note
Vinyl Chloride	ND	U	0.080	0.2	1	05/30/12	05/30/12	
1,1-Dichloroethene	ND	U	0.20	0.7	1	05/30/12	05/30/12	
2-Butanone (MEK)	ND	U	8.0	200	1	05/30/12	05/30/12	*
Chloroform	ND	U	0.20	6	1	05/30/12	05/30/12	
Carbon Tetrachloride	ND	U	0.20	0.5	1	05/30/12	05/30/12	
Benzene	ND	U	0.20	0.5	1	05/30/12	05/30/12	
1,2-Dichloroethane (EDC)	ND	U	0.20	0.5	1	05/30/12	05/30/12	
Trichloroethene (TCE)	ND	U	0.20	0.5	1	05/30/12	05/30/12	
Tetrachloroethene (PCE)	ND	U	0.20	0.7	1	05/30/12	05/30/12	
Chlorobenzene	ND	U	0.20	100	1	05/30/12	05/30/12	
1,4-Dichlorobenzene	ND	U	0.20	7.5	1	05/30/12	05/30/12	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Note
Dibromofluoromethane	79	73-122	Acceptable
Toluene-d8	88	65-144	Acceptable
4-Bromofluorobenzene	76	68-117	Acceptable

Comments:

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583

Surrogate Recovery Summary
Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction
Volatile Organic Compounds

Preparation Method: EPA 1311ZHE
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
SO-56394-051112-EB-009	K1204583-002	79	90	79
Method Blank	KWG1205691-3	79	88	76
SO-56394-051112-EB-009MS	KWG1205691-1	88	92	82
Lab Control Sample	KWG1205691-2	88	91	82

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	73-122
Sur2 =	Toluene-d8	65-144
Sur3 =	4-Bromofluorobenzene	68-117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/30/2012
Time Analyzed: 11:19

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID: J:\MS18\DATA\053012TCLP\0530F011.D
Instrument ID: GC-MS 18
Analysis Method: 8260C

Lab Code: KWG1205690-2
Analysis Lot: KWG1205690

		Fluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	RT	Area	RT	Area	RT
	Results ==>	287,101	5.99	120,963	9.38	119,851	11.80
	Upper Limit ==>	574,202	6.49	241,926	9.88	239,702	12.30
	Lower Limit ==>	143,551	5.49	60,482	8.88	59,926	11.30
	ICAL Result ==>	458,356	5.99	178,545	9.38	180,588	11.80
Associated Analyses							
Lab Control Sample	KWG1205691-2	290,216	5.99	117,904	9.38	123,173	11.80
SO-56394-051112-EB-009MS	KWG1205691-1	284,860	5.99	118,396	9.38	122,568	11.80
Method Blank	KWG1205691-3	285,875	5.99	120,515	9.38	122,396	11.80
SO-56394-051112-EB-009	K1204583-002	276,978	5.99	113,588	9.38	117,306	11.80

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Prepared: 05/16/2012
Date Extracted: 5/30/2012
Date Analyzed: 05/30/2012

Matrix Spike Summary
Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction
Volatile Organic Compounds

Sample Name: SO-56394-051112-EB-009
Lab Code: K1204583-002

Units: mg/L
Basis: NA

Preparation Method: EPA 1311ZHE
Extraction Method: EPA 5030B
Analysis Method: 8260C

Level: Low
Extraction Lot: KWG1205691

Analyte Name	Sample Result	SO-56394-051112-EB-009 MS KWG1205691-1 Matrix Spike Result	Expected	%Rec	%Rec Limits
Vinyl Chloride	ND	3.37	4.00	84	49-136
1,1-Dichloroethene	ND	4.32	4.00	108	59-171
2-Butanone (MEK)	ND	18.2	20.0	91	65-147
Chloroform	ND	4.28	4.00	107	64-133
Carbon Tetrachloride	ND	3.88	4.00	97	53-161
Benzene	ND	3.76	4.00	94	63-144
1,2-Dichloroethane (EDC)	ND	4.89	4.00	122	56-141
Trichloroethene (TCE)	ND	3.80	4.00	95	53-139
Tetrachloroethene (PCE)	ND	3.70	4.00	93	61-131
Chlorobenzene	ND	3.78	4.00	95	69-126
1,4-Dichlorobenzene	ND	3.93	4.00	98	72-121

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Prepared: 05/16/2012
Date Extracted: 05/30/2012
Date Analyzed: 05/30/2012

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 1311ZHE/EPA 5030B
Analysis Method: 8260C

Units: mg/L
Basis: NA
Level: Low
Extraction Lot: KWG1205691

	Lab Control Sample KWG1205691-2 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Vinyl Chloride	3.17	4.00	79	55-123
1,1-Dichloroethene	4.04	4.00	101	66-129
2-Butanone (MEK)	18.3	20.0	92	71-149
Chloroform	4.16	4.00	104	70-129
Carbon Tetrachloride	3.63	4.00	91	55-140
Benzene	3.63	4.00	91	69-124
1,2-Dichloroethane (EDC)	4.86	4.00	122	56-142
Trichloroethene (TCE)	3.69	4.00	92	67-128
Tetrachloroethene (PCE)	3.60	4.00	90	62-126
Chlorobenzene	3.70	4.00	93	72-116
1,4-Dichlorobenzene	3.81	4.00	95	73-115

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Extracted: 05/30/2012
Date Analyzed: 05/30/2012
Time Analyzed: 14:34

Method Blank Summary
Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1205691-3

Extraction Method: EPA 5030B
Analysis Method: 8260C

Instrument ID: GC-MS 18
File ID: J:\MS18\DATA\053012TCLP\0530F020.D

Level: Low
Extraction Lot: KWG1205691

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1205691-2	J:\MS18\DATA\053012TCLP\0530F013.D	05/30/12	12:04
SO-56394-051112-EB-009MS	KWG1205691-1	J:\MS18\DATA\053012TCLP\0530F014.D	05/30/12	12:26
SO-56394-051112-EB-009	K1204583-002	J:\MS18\DATA\053012TCLP\0530F021.D	05/30/12	14:56

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Extracted: 05/30/2012
Date Analyzed: 05/30/2012
Time Analyzed: 12:04

Lab Control Sample Summary
Volatile Organic Compounds

Sample Name: Lab Control Sample
Lab Code: KWG1205691-2

Extraction Method: EPA 5030B
Analysis Method: 8260C

Instrument ID: GC-MS 18
File ID: J:\MS18\DATA\053012TCLP\0530F013.D

Level: Low
Extraction Lot: KWG1205691

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SO-56394-051112-EB-009MS	KWG1205691-1	J:\MS18\DATA\053012TCLP\0530F014.D	05/30/12	12:26
Method Blank	KWG1205691-3	J:\MS18\DATA\053012TCLP\0530F020.D	05/30/12	14:34
SO-56394-051112-EB-009	K1204583-002	J:\MS18\DATA\053012TCLP\0530F021.D	05/30/12	14:56

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/30/2012
Time Analyzed: 10:54

Tune Summary
Volatile Organic Compounds

File ID: J:\MS18\DATA\053012TCLP\0530F010.D
Instrument ID: GC-MS 18
Column:

Analysis Method: 8260C
Analysis Lot: KWG1205690

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
175	174	5	9	8.0	2597	PASS
176	174	95	101	100.6	32712	PASS
177	176	5	9	6.3	2052	PASS
50	95	15	40	19.4	6604	PASS
75	95	30	60	52.7	17919	PASS
95	95	100	100	100.0	34032	PASS
96	95	5	9	6.4	2195	PASS
173	174	0	2	0.2	66	PASS
174	95	50	120	95.6	32533	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1205690-2	J:\MS18\DATA\053012TCLP\0530F011.D	05/30/2012	11:19	
Lab Control Sample	KWG1205691-2	J:\MS18\DATA\053012TCLP\0530F013.D	05/30/2012	12:04	
SO-56394-051112-EB-009MS	KWG1205691-1	J:\MS18\DATA\053012TCLP\0530F014.D	05/30/2012	12:26	
Method Blank	KWG1205691-3	J:\MS18\DATA\053012TCLP\0530F020.D	05/30/2012	14:34	
SO-56394-051112-EB-009	K1204583-002	J:\MS18\DATA\053012TCLP\0530F021.D	05/30/2012	14:56	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/21/2012

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL11549
Instrument ID: GC-MS 18

Column: MS

Level ID	File ID
A	J:\MS18\DATA\052112\0521F008.D
B	J:\MS18\DATA\052112\0521F009.D
C	J:\MS18\DATA\052112\0521F010.D
D	J:\MS18\DATA\052112\0521F011.D
E	J:\MS18\DATA\052112\0521F012.D
F	J:\MS18\DATA\052112\0521F013.D
G	J:\MS18\DATA\052112\0521F014.D
H	J:\MS18\DATA\052112\0521F015.D
I	J:\MS18\DATA\052112\0521F016.D
J	J:\MS18\DATA\052112\0521F017.D
K	J:\MS18\DATA\052112\0521F018.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Vinyl Chloride	A	0.10	0.341	B	0.20	0.362	C	0.50	0.354	D	1.0	0.358	E	2.0	0.331
	F	5.0	0.394	G	10	0.368	H	20	0.389	I	40	0.394	J	60	0.387
	K	80	0.395												
1,1-Dichloroethene				B	0.20	0.213	C	0.50	0.194	D	1.0	0.211	E	2.0	0.192
	F	5.0	0.204	G	10	0.194	H	20	0.209	I	40	0.213	J	60	0.209
	K	80	0.215												
2-Butanone (MEK)	A	4.0	0.0214	B	8.0	0.0187	C	20	0.0191	D	40	0.0202	E	80	0.0196
	F	100	0.0197	G	200	0.0198	H	400	0.0200	I	800	0.0206	J	1600	0.0210
	K	2000	0.0204												
Chloroform	A	0.10	0.554	B	0.20	0.533	C	0.50	0.504	D	1.0	0.499	E	2.0	0.471
	F	5.0	0.501	G	10	0.496	H	20	0.494	I	40	0.504	J	60	0.498
	K	80	0.499												
Carbon Tetrachloride	A	0.10	0.316	B	0.20	0.318	C	0.50	0.322	D	1.0	0.340	E	2.0	0.303
	F	5.0	0.353	G	10	0.331	H	20	0.355	I	40	0.375	J	60	0.373
	K	80	0.385												
Benzene	A	0.10	1.41	B	0.20	1.28	C	0.50	1.26	D	1.0	1.27	E	2.0	1.21
	F	5.0	1.30	G	10	1.26	H	20	1.26	I	40	1.30	J	60	1.29
	K	80	1.30												
1,2-Dichloroethane (EDC)	A	0.10	0.401	B	0.20	0.364	C	0.50	0.337	D	1.0	0.338	E	2.0	0.341
	F	5.0	0.353	G	10	0.353	H	20	0.345	I	40	0.353	J	60	0.353
	K	80	0.347												
Trichloroethene (TCE)	A	0.10	0.377	B	0.20	0.287	C	0.50	0.284	D	1.0	0.300	E	2.0	0.279
	F	5.0	0.303	G	10	0.291	H	20	0.301	I	40	0.307	J	60	0.307
	K	80	0.312												
Tetrachloroethene (PCE)	A	0.10	0.672	B	0.20	0.663	C	0.50	0.645	D	1.0	0.656	E	2.0	0.615
	F	5.0	0.677	G	10	0.627	H	20	0.667	I	40	0.698	J	60	0.688
	K	80	0.713												
Chlorobenzene	A	0.10	2.26	B	0.20	2.34	C	0.50	2.32	D	1.0	2.34	E	2.0	2.29
	F	5.0	2.39	G	10	2.37	H	20	2.33	I	40	2.40	J	60	2.37
	K	80	2.38												

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/21/2012

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL11549
Instrument ID: GC-MS 18

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,4-Dichlorobenzene	A	0.10	2.04	B	0.20	1.98	C	0.50	1.96	D	1.0	1.86	E	2.0	1.85
	F	5.0	1.94	G	10	1.95	H	20	1.89	I	40	1.94	J	60	1.93
	K	80	1.91												
Dibromofluoromethane	A	3.0	0.262	B	4.0	0.266	C	5.0	0.248	D	6.0	0.260	E	7.0	0.229
	F	8.0	0.264	G	10	0.267	H	15	0.268	I	20	0.265	J	30	0.271
	K	40	0.264												
Toluene-d8	A	3.0	1.07	B	4.0	1.14	C	5.0	1.05	D	6.0	1.13	E	7.0	0.913
	F	8.0	1.11	G	10	1.08	H	15	1.08	I	20	1.04	J	30	1.08
	K	40	1.06												
4-Bromofluorobenzene	A	3.0	1.07	B	4.0	1.16	C	5.0	1.06	D	6.0	1.09	E	7.0	1.01
	F	8.0	1.10	G	10	1.10	H	15	1.09	I	20	1.06	J	30	1.07
	K	40	1.06												

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/21/2012

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL11549
Instrument ID: GC-MS 18

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Vinyl Chloride	MS	AverageRF	% RSD	6.2		≤ 20	0.370		0.1
1,1-Dichloroethene	MS	AverageRF	% RSD	4.2		≤ 20	0.205		0.1
2-Butanone (MEK)	MS	AverageRF	% RSD	4.0		≤ 20	0.0201		0.01
Chloroform	MS	AverageRF	% RSD	4.3		≤ 20	0.505		0.2
Carbon Tetrachloride	MS	AverageRF	% RSD	8.0		≤ 20	0.343		0.1
Benzene	MS	AverageRF	% RSD	3.8		≤ 20	1.29		0.5
1,2-Dichloroethane (EDC)	MS	AverageRF	% RSD	5.0		≤ 20	0.353		0.1
Trichloroethene (TCE)	MS	AverageRF	% RSD	8.6		≤ 20	0.304		0.2
Tetrachloroethene (PCE)	MS	AverageRF	% RSD	4.4		≤ 20	0.666		0.2
Chlorobenzene	MS	AverageRF	% RSD	1.8		≤ 20	2.35		0.5
1,4-Dichlorobenzene	MS	AverageRF	% RSD	2.8		≤ 20	1.93		0.5
Dibromofluoromethane	SURR	AverageRF	% RSD	4.6		≤ 20	0.260		0.01
Toluene-d8	SURR	AverageRF	% RSD	5.6		≤ 20	1.07		0.01
4-Bromofluorobenzene	SURR	AverageRF	% RSD	3.5		≤ 20	1.08		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/21/2012
Date Analyzed: 05/22/2012

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260C

Calibration ID: CAL11549
Units: PPB

File ID: J:\MS18\DATA\052112\0521F024.D
J:\MS18\DATA\052212\0522F004.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Vinyl Chloride	10	9.4	0.370	0.347	-6	NA	± 30 %	AverageRF
1,1-Dichloroethene	10	11	0.205	0.229	11	NA	± 30 %	AverageRF
2-Butanone (MEK)	50	46	0.0201	0.0186	-7	NA	± 30 %	AverageRF
Chloroform	10	9.6	0.505	0.487	-4	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	9.5	0.343	0.327	-5	NA	± 30 %	AverageRF
Benzene	10	9.6	1.29	1.24	-4	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	9.3	0.353	0.329	-7	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	9.2	0.304	0.281	-8	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	9.5	0.666	0.632	-5	NA	± 30 %	AverageRF
Chlorobenzene	10	9.5	2.35	2.23	-5	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	9.4	1.93	1.82	-6	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/30/2012

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260C

Calibration Date: 05/21/2012
Calibration ID: CAL11549
Analysis Lot: KWG1205690
Units: PPB

File ID: J:\MS18\DATA\053012TCLP\0530F011.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Vinyl Chloride	10	9.2	0.1	0.370	0.342	-8		NA	± 20 %	AverageRF
1,1-Dichloroethene	10	8.9	0.1	0.205	0.184	-11		NA	± 20 %	AverageRF
2-Butanone (MEK)	200	150	0.01	0.0201	0.0153	-24	*	NA	± 20 %	AverageRF
Chloroform	10	10	0.2	0.505	0.526	4		NA	± 20 %	AverageRF
Carbon Tetrachloride	10	9.5	0.1	0.343	0.325	-5		NA	± 20 %	AverageRF
Benzene	10	9.2	0.5	1.29	1.18	-8		NA	± 20 %	AverageRF
1,2-Dichloroethane (EDC)	10	12	0.1	0.353	0.423	20		NA	± 20 %	AverageRF
Trichloroethene (TCE)	10	9.4	0.2	0.304	0.286	-6		NA	± 20 %	AverageRF
Tetrachloroethene (PCE)	10	9.2	0.2	0.666	0.611	-8		NA	± 20 %	AverageRF
Chlorobenzene	10	9.1	0.5	2.35	2.14	-9		NA	± 20 %	AverageRF
1,4-Dichlorobenzene	10	9.8	0.5	1.93	1.90	-2		NA	± 20 %	AverageRF
Dibromofluoromethane	10	8.8	0.01	0.260	0.229	-12		NA	± 20 %	AverageRF
Toluene-d8	10	9.3	0.01	1.07	0.994	-7		NA	± 20 %	AverageRF
4-Bromofluorobenzene	10	8.1	0.01	1.08	0.878	-19		NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Service Request: K1204583

Analysis Run Log
Volatile Organic Compounds

Analysis Method: 8260C
Analysis Lot: KWG1205690
Instrument ID: GC-MS 18

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0530F010.D	GC/MS Tuning - Generic	KWG1205690-1	5/30/2012	10:54		5/30/2012	11:10
0530F011.D	Continuing Calibration Verification	KWG1205690-2	5/30/2012	11:19		5/30/2012	11:35
0530F013.D	Lab Control Sample	KWG1205691-2	5/30/2012	12:04		5/30/2012	12:20
0530F014.D	SO-56394-051112-EB-009MS	KWG1205691-1	5/30/2012	12:26		5/30/2012	12:42
0530F020.D	Method Blank	KWG1205691-3	5/30/2012	14:34		5/30/2012	14:50
0530F021.D	SO-56394-051112-EB-009	K1204583-002	5/30/2012	14:56		5/30/2012	15:12

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Prepared: 05/16/2012
Date Extracted: 05/30/2012

Extraction Prep Log
Volatile Organic Compounds

Preparation Method: EPA 1311ZHE
Extraction Method: EPA 5030B
Analysis Method: 8260C

Extraction Lot: KWG1205691
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SO-56394-051112-EB-009	K1204583-002	05/11/12	05/12/12	125uL	50ml	NA	
Method Blank	KWG1205691-3	NA	NA	125uL	50ml	NA	
SO-56394-051112-EB-009MS	KWG1205691-1	05/11/12	05/12/12	125uL	50ml	NA	
Lab Control Sample	KWG1205691-2	NA	NA	125uL	50ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Semi-Volatile Organic Compounds

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Summary Package

Sample and QC Results

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Service Request: K1204583

Cover Page - Organic Analysis Data Package
Semi-Volatile Organic Compounds by GC/MS

Sample Name	Lab Code	Date Collected	Date Received
SO-56394-051112-EB-009	K1204583-002	05/11/2012	05/12/2012
SO-56394-051112-EB-009MS	KWG1205236-1	05/11/2012	05/12/2012

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Carl Degner

Date: 5/29/12 Title: Senior Supervisor

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Collected: 05/11/2012
Date Received: 05/12/2012
Date Prepared: 05/17/2012

Toxicity Characteristic Leaching Procedure (TCLP)
Semi-Volatile Organic Compounds by GC/MS

Sample Name: SO-56394-051112-EB-009
Lab Code: K1204583-002

Units: mg/L
Basis: NA
Level: Low

Preparation Method: EPA 1311
Extraction Method: EPA 3510C
Analysis Method: 8270D

Analyte Name	Result	Q	MRL	Regulatory Limit	Dilution Factor	Date Extracted	Date Analyzed	Note
Pyridine	ND	U	0.50	5	1	05/18/12	05/21/12	
2-Methylphenol	ND	U	0.10	200	1	05/18/12	05/21/12	
Hexachloroethane	ND	U	0.10	3	1	05/18/12	05/21/12	
4-Methylphenol†	ND	U	0.10	200	1	05/18/12	05/21/12	
Nitrobenzene	ND	U	0.10	2	1	05/18/12	05/21/12	
Hexachlorobutadiene	ND	U	0.10	0.5	1	05/18/12	05/21/12	
2,4,6-Trichlorophenol	ND	U	0.10	2	1	05/18/12	05/21/12	
2,4,5-Trichlorophenol	ND	U	0.10	400	1	05/18/12	05/21/12	
2,4-Dinitrotoluene	ND	U	0.10	0.13	1	05/18/12	05/21/12	
Hexachlorobenzene	ND	U	0.10	0.13	1	05/18/12	05/21/12	
Pentachlorophenol	ND	U	0.25	100	1	05/18/12	05/21/12	

Surrogate Name	%Rec	Control Limits	Note
2-Fluorophenol	76	45-105	Acceptable
Phenol-d6	70	35-105	Acceptable
Nitrobenzene-d5	96	45-122	Acceptable
2-Fluorobiphenyl	78	44-114	Acceptable
2,4,6-Tribromophenol	92	52-122	Acceptable
Terphenyl-d14	91	50-145	Acceptable

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Water

Service Request: K1204583
Date Collected: NA
Date Received: NA
Date Prepared: 05/17/2012

Toxicity Characteristic Leaching Procedure (TCLP)
Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1205236-6

Units: mg/L
Basis: NA
Level: Low

Preparation Method: EPA 1311
Extraction Method: EPA 3510C
Analysis Method: 8270D

Analyte Name	Result	Q	MRL	Regulatory Limit	Dilution Factor	Date Extracted	Date Analyzed	Note
Pyridine	ND	U	0.50	5	1	05/18/12	05/21/12	
2-Methylphenol	ND	U	0.10	200	1	05/18/12	05/21/12	
Hexachloroethane	ND	U	0.10	3	1	05/18/12	05/21/12	
4-Methylphenol†	ND	U	0.10	200	1	05/18/12	05/21/12	
Nitrobenzene	ND	U	0.10	2	1	05/18/12	05/21/12	
Hexachlorobutadiene	ND	U	0.10	0.5	1	05/18/12	05/21/12	
2,4,6-Trichlorophenol	ND	U	0.10	2	1	05/18/12	05/21/12	
2,4,5-Trichlorophenol	ND	U	0.10	400	1	05/18/12	05/21/12	
2,4-Dinitrotoluene	ND	U	0.10	0.13	1	05/18/12	05/21/12	
Hexachlorobenzene	ND	U	0.10	0.13	1	05/18/12	05/21/12	
Pentachlorophenol	ND	U	0.25	100	1	05/18/12	05/21/12	

Surrogate Name	%Rec	Control Limits	Note
2-Fluorophenol	75	45-105	Acceptable
Phenol-d6	68	35-105	Acceptable
Nitrobenzene-d5	95	45-122	Acceptable
2-Fluorobiphenyl	75	44-114	Acceptable
2,4,6-Tribromophenol	87	52-122	Acceptable
Terphenyl-d14	89	50-145	Acceptable

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583

Surrogate Recovery Summary
Toxicity Characteristic Leaching Procedure (TCLP)
Semi-Volatile Organic Compounds by GC/MS

Preparation Method: EPA 1311
Extraction Method: EPA 3510C
Analysis Method: 8270D

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4	Sur5	Sur6
SO-56394-051112-EB-009	K1204583-002	76	70	96	78	92	91
Method Blank	KWG1205236-6	75	68	95	75	87	89
SO-56394-051112-EB-009MS	KWG1205236-1	77	72	90	81	83	98
Lab Control Sample	KWG1205236-5	82	74	85	81	81	104

Surrogate Recovery Control Limits (%)

Sur1 = 2-Fluorophenol	45-105	Sur5 = 2,4,6-Tribromophenol	52-122
Sur2 = Phenol-d6	35-105	Sur6 = Terphenyl-d14	50-145
Sur3 = Nitrobenzene-d5	45-122		
Sur4 = 2-Fluorobiphenyl	44-114		

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/21/2012
Time Analyzed: 12:13

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS08\DATA\052112\0521F003.D
Instrument ID: MS08
Analysis Method: 8270D

Lab Code: KWG1205311-2
Analysis Lot: KWG1205311

		1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	91,693	9.03	270,639	11.13	128,505	13.97
	Upper Limit ==>	183,386	9.53	541,278	11.63	257,010	14.47
	Lower Limit ==>	45,847	8.53	135,320	10.63	64,253	13.47
	ICAL Result ==>	82,446	9.04	225,274	11.13	116,484	13.97
Associated Analyses							
Method Blank	KWG1205236-6	96,204	9.03	319,586	11.13	148,261	13.97
Lab Control Sample	KWG1205236-5	76,438	9.03	216,894	11.13	96,286	13.97
SO-56394-051112-EB-009	K1204583-002	90,850	9.03	305,139	11.12	139,052	13.96

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/21/2012
Time Analyzed: 12:13

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS08\DATA\052112\0521F003.D
Instrument ID: MS08
Analysis Method: 8270D

Lab Code: KWG1205311-2
Analysis Lot: KWG1205311

		Phenanthrene-d10		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT	Area	RT
	Results ==>	204,957	16.35	161,708	20.66	143,460	23.69
	Upper Limit ==>	409,914	16.85	323,416	21.16	286,920	24.19
	Lower Limit ==>	102,479	15.85	80,854	20.16	71,730	23.19
	ICAL Result ==>	170,123	16.35	157,299	20.66	142,917	23.69
Associated Analyses							
Method Blank	KWG1205236-6	216,019	16.34	162,174	20.65	138,706	23.68
Lab Control Sample	KWG1205236-5	167,216	16.35	127,495	20.66	120,496	23.69
SO-56394-051112-EB-009	K1204583-002	198,267	16.35	149,347	20.65	125,202	23.68

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/23/2012
Time Analyzed: 09:19

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS08\DATA\052312\0523F002.D
Instrument ID: MS08
Analysis Method: 8270D

Lab Code: KWG1205426-2
Analysis Lot: KWG1205426

		1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
		Area	RT	Area	RT	Area	RT
Results ==>		65,857	9.02	185,123	11.12	82,705	13.96
Upper Limit ==>		131,714	9.52	370,246	11.62	165,410	14.46
Lower Limit ==>		32,929	8.52	92,562	10.62	41,353	13.46
ICAL Result ==>		62,187	9.03	178,914	11.12	79,807	13.96
Associated Analyses							
SO-56394-051112-EB-009MS	KWG1205236-1	57,801	9.03	164,321	11.13	73,125	13.96

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/23/2012
Time Analyzed: 09:19

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS08\DATA\052312\0523F002.D
Instrument ID: MS08
Analysis Method: 8270D

Lab Code: KWG1205426-2
Analysis Lot: KWG1205426

		Phenanthrene-d10		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT	Area	RT
Results ==>		134,477	16.34	103,588	20.66	92,948	23.67
Upper Limit ==>		268,954	16.84	207,176	21.16	185,896	24.17
Lower Limit ==>		67,239	15.84	51,794	20.16	46,474	23.17
ICAL Result ==>		128,141	16.34	105,761	20.66	94,708	23.68
Associated Analyses							
SO-56394-051112-EB-009MS	KWG1205236-1	132,539	16.35	101,324	20.66	94,308	23.69

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Prepared: 05/17/2012
Date Extracted: 5/18/2012
Date Analyzed: 05/23/2012

Matrix Spike Summary
Toxicity Characteristic Leaching Procedure (TCLP)
Semi-Volatile Organic Compounds by GC/MS

Sample Name: SO-56394-051112-EB-009
Lab Code: K1204583-002

Units: mg/L
Basis: NA

Preparation Method: EPA 1311
Extraction Method: EPA 3510C
Analysis Method: 8270D

Level: Low
Extraction Lot: KWG1205236

SO-56394-051112-EB-009
MS
KWG1205236-1

Analyte Name	Sample Result	Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	%Rec Limits
Pyridine	ND	1.21	2.00	61	10-113
2-Methylphenol	ND	0.829	1.00	83	49-109
Hexachloroethane	ND	0.728	1.00	73	35-106
4-Methylphenol	ND	0.823	1.00	82	39-112
Nitrobenzene	ND	0.871	1.00	87	45-117
Hexachlorobutadiene	ND	0.739	1.00	74	38-112
2,4,6-Trichlorophenol	ND	0.918	1.00	92	58-113
2,4,5-Trichlorophenol	ND	0.954	1.00	95	53-115
2,4-Dinitrotoluene	ND	1.00	1.00	100	61-113
Hexachlorobenzene	ND	0.849	1.00	85	57-114
Pentachlorophenol	ND	0.989	1.00	99	57-128

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Water

Service Request: K1204583
Date Prepared: 05/17/2012
Date Extracted: 05/18/2012
Date Analyzed: 05/21/2012

Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 1311/EPA 3510C
Analysis Method: 8270D

Units: mg/L
Basis: NA
Level: Low
Extraction Lot: KWG1205236

	Lab Control Sample KWG1205236-5 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Pyridine	0.660	2.00	33	10-117
2-Methylphenol	0.820	1.00	82	51-104
Hexachloroethane	0.735	1.00	73	41-97
4-Methylphenol	0.840	1.00	84	53-101
Nitrobenzene	0.779	1.00	78	50-107
Hexachlorobutadiene	0.669	1.00	67	45-98
2,4,6-Trichlorophenol	0.859	1.00	86	64-108
2,4,5-Trichlorophenol	0.878	1.00	88	63-107
2,4-Dinitrotoluene	1.08	1.00	108	55-121
Hexachlorobenzene	0.741	1.00	74	59-113
Pentachlorophenol	0.886	1.00	89	52-122

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Water

Service Request: K1204583
Date Extracted: 05/18/2012
Date Analyzed: 05/21/2012
Time Analyzed: 19:07

Method Blank Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1205236-6

Extraction Method: EPA 3510C
Analysis Method: 8270D

Instrument ID: MS08
File ID: J:\MS08\DATA\052112\0521F013.D

Level: Low
Extraction Lot: KWG1205236

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1205236-5	J:\MS08\DATA\052112\0521F014.D	05/21/12	19:47
SO-56394-051112-EB-009	K1204583-002	J:\MS08\DATA\052112\0521F019.D	05/21/12	23:09
SO-56394-051112-EB-009MS	KWG1205236-1	J:\MS08\DATA\052312\0523F012.D	05/23/12	16:11

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Water

Service Request: K1204583
Date Extracted: 05/18/2012
Date Analyzed: 05/21/2012
Time Analyzed: 19:47

Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: KWG1205236-5

Extraction Method: EPA 3510C
Analysis Method: 8270D

Instrument ID: MS08
File ID: J:\MS08\DATA\052112\0521F014.D

Level: Low
Extraction Lot: KWG1205236

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1205236-6	J:\MS08\DATA\052112\0521F013.D	05/21/12	19:07
SO-56394-051112-EB-009	K1204583-002	J:\MS08\DATA\052112\0521F019.D	05/21/12	23:09
SO-56394-051112-EB-009MS	KWG1205236-1	J:\MS08\DATA\052312\0523F012.D	05/23/12	16:11

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/21/2012
Time Analyzed: 12:13

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS08\DATA\052112\0521T003.D
Instrument ID: MS08
Column:

Analysis Method: 8270D
Analysis Lot: KWG1205311

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	42.3	3476	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	51.1	4200	PASS
70	69	0	2	0.0	0	PASS
127	198	25	75	53.6	4402	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	8214	PASS
199	198	5	9	5.0	412	PASS
275	198	10	30	22.3	1830	PASS
365	198	1	100	3.0	244	PASS
441	443	0	100	69.9	750	PASS
442	198	40	110	59.9	4924	PASS
443	442	15	24	21.8	1073	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1205311-2	J:\MS08\DATA\052112\0521F003.D	05/21/2012	12:13	
Method Blank	KWG1205236-6	J:\MS08\DATA\052112\0521F013.D	05/21/2012	19:07	
Lab Control Sample	KWG1205236-5	J:\MS08\DATA\052112\0521F014.D	05/21/2012	19:47	
SO-56394-051112-EB-009	K1204583-002	J:\MS08\DATA\052112\0521F019.D	05/21/2012	23:09	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/23/2012
Time Analyzed: 09:19

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS08\DATA\052312\0523T002.D
Instrument ID: MS08
Column:

Analysis Method: 8270D
Analysis Lot: KWG1205426

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	60	45.0	5101	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	57.0	6458	PASS
70	69	0	2	0.0	0	PASS
127	198	40	60	47.6	5400	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	11338	PASS
199	198	5	9	7.1	809	PASS
275	198	10	30	22.4	2536	PASS
365	198	1	100	3.0	342	PASS
441	443	0	100	84.4	1257	PASS
442	198	40	100	68.5	7766	PASS
443	442	17	23	19.2	1490	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1205426-2	J:\MS08\DATA\052312\0523F002.D	05/23/2012	09:19	
SO-56394-051112-EB-009MS	KWG1205236-1	J:\MS08\DATA\052312\0523F012.D	05/23/2012	16:11	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/11/2012

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL11515
Instrument ID: MS08

Column: MS

Level ID	File ID
A	J:\MS08\DATA\051112\0511F004.D
B	J:\MS08\DATA\051112\0511F005.D
C	J:\MS08\DATA\051112\0511F006.D
D	J:\MS08\DATA\051112\0511F007.D
E	J:\MS08\DATA\051112\0511F008.D
F	J:\MS08\DATA\051112\0511F009.D
G	J:\MS08\DATA\051112\0511F010.D
H	J:\MS08\DATA\051112\0511F011.D
I	J:\MS08\DATA\051112\0511F012.D
J	J:\MS08\DATA\051112\0511F013.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Pyridine				B	5.0	1.90	C	10	1.98	D	20	2.32	E	50	2.29
	F	80	2.37	G	100	2.29	H	120	2.30	I	160	2.35	J	200	2.24
2-Methylphenol	A	1.0	1.20	B	5.0	1.27	C	10	1.24	D	20	1.23	E	50	1.00
	F	80	1.02	G	100	0.906	H	120	0.871	I	160	0.808	J	200	0.737
Hexachloroethane	A	1.0	0.619	B	5.0	0.639	C	10	0.634	D	20	0.638	E	50	0.537
	F	80	0.491	G	100	0.455	H	120	0.421	I	160	0.394	J	200	0.353
4-Methylphenol	A	1.0	1.13	B	5.0	1.24	C	10	1.25	D	20	1.23	E	50	0.997
	F	80	1.04	G	100	0.918	H	120	0.817	I	160	0.753	J	200	0.728
Nitrobenzene	A	1.0	1.26	B	5.0	1.45	C	10	1.46	D	20	1.45	E	50	1.32
	F	80	1.23	G	100	1.21	H	120	1.09	I	160	1.12	J	200	1.08
Hexachlorobutadiene	A	1.0	0.218	B	5.0	0.202	C	10	0.214	D	20	0.203	E	50	0.194
	F	80	0.185	G	100	0.181	H	120	0.174	I	160	0.161	J	200	0.152
2,4,6-Trichlorophenol				B	5.0	0.386	C	10	0.461	D	20	0.461	E	50	0.444
	F	80	0.448	G	100	0.448	H	120	0.439	I	160	0.405	J	200	0.383
2,4,5-Trichlorophenol				B	5.0	0.366	C	10	0.496	D	20	0.472	E	50	0.462
	F	80	0.479	G	100	0.477	H	120	0.455	I	160	0.402	J	200	0.403
2,4-Dinitrotoluene							C	10	0.305	D	20	0.358	E	50	0.372
	F	80	0.385	G	100	0.404	H	120	0.387	I	160	0.364	J	200	0.355
Hexachlorobenzene	A	1.0	0.255	B	5.0	0.276	C	10	0.268	D	20	0.265	E	50	0.242
	F	80	0.232	G	100	0.207	H	120	0.195	I	160	0.190	J	200	0.184
Pentachlorophenol										D	20	0.112	E	50	0.135
	F	80	0.140	G	100	0.134	H	120	0.129	I	160	0.140	J	200	0.139
2-Fluorophenol				B	5.0	1.56	C	10	1.30	D	20	1.55	E	50	1.52
	F	80	1.56	G	100	1.48	H	120	1.47	I	160	1.45	J	200	1.26
Phenol-d6	A	1.0	1.58	B	5.0	2.01	C	10	1.76	D	20	1.99	E	50	1.80
	F	80	1.83	G	100	1.76	H	120	1.72	I	160	1.65	J	200	1.50
Nitrobenzene-d5	A	1.0	0.998	B	5.0	1.35	C	10	1.28	D	20	1.41	E	50	1.29
	F	80	1.28	G	100	1.19	H	120	1.21	I	160	1.16	J	200	1.08

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/11/2012

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL11515
Instrument ID: MS08

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
2-Fluorobiphenyl	A	1.0	1.61	B	5.0	1.73	C	10	1.46	D	20	1.50	E	50	1.31
	F	80	1.31	G	100	1.24	H	120	1.23	I	160	1.09	J	200	0.957
2,4,6-Tribromophenol				B	5.0	0.0916	C	10	0.0913	D	20	0.100	E	50	0.101
	F	80	0.101	G	100	0.0921	H	120	0.0861	I	160	0.0905	J	200	0.0821
Terphenyl-d14	A	1.0	0.775	B	5.0	0.736	C	10	0.696	D	20	0.705	E	50	0.691
	F	80	0.667	G	100	0.677	H	120	0.674	I	160	0.676	J	200	0.623

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/11/2012

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL11515
Instrument ID: MS08

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Pyridine	MS	AverageRF	% RSD	7.6		≤ 20	2.23		0.01
2-Methylphenol	MS	AverageRF	% RSD	19.1		≤ 20	1.03		0.700
Hexachloroethane	MS	Quadratic(0,0)	COD	0.998		≥ 0.990	0.518		0.300
4-Methylphenol	MS	AverageRF	% RSD	19.9		≤ 20	1.01		0.900
Nitrobenzene	MS	AverageRF	% RSD	11.7		≤ 20	1.27		0.200
Hexachlorobutadiene	MS	AverageRF	% RSD	11.5		≤ 20	0.188		0.010
2,4,6-Trichlorophenol	MS	AverageRF	% RSD	7.2		≤ 20	0.431		0.200
2,4,5-Trichlorophenol	MS	AverageRF	% RSD	10.0		≤ 20	0.446		0.200
2,4-Dinitrotoluene	MS	AverageRF	% RSD	8.1		≤ 20	0.366		0.200
Hexachlorobenzene	MS	AverageRF	% RSD	15.1		≤ 20	0.231		0.100
Pentachlorophenol	MS	AverageRF	% RSD	7.5		≤ 20	0.133		0.050
2-Fluorophenol	SURR	AverageRF	% RSD	7.6		≤ 20	1.46		0.01
Phenol-d6	SURR	AverageRF	% RSD	9.2		≤ 20	1.76		0.01
Nitrobenzene-d5	SURR	AverageRF	% RSD	10.1		≤ 20	1.22		0.01
2-Fluorobiphenyl	SURR	AverageRF	% RSD	17.5		≤ 20	1.34		0.01
2,4,6-Tribromophenol	SURR	AverageRF	% RSD	7.1		≤ 20	0.0928		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	6.0		≤ 20	0.692		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/11/2012
Date Analyzed: 05/11/2012

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270D

Calibration ID: CAL11515
Units: ug/ml

File ID: J:\MS08\DATA\051112\0511F014.D
J:\MS08\DATA\051112\0511F016.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pyridine	80	86	2.23	2.39	7	NA	± 30 %	AverageRF
2-Methylphenol	80	73	1.03	0.944	-8	NA	± 30 %	AverageRF
Hexachloroethane	80	74	0.518	0.452	NA	-7	± 30 %	uadratic(0,(
4-Methylphenol	80	77	1.01	0.967	-4	NA	± 30 %	AverageRF
Nitrobenzene	80	74	1.27	1.17	-7	NA	± 30 %	AverageRF
Hexachlorobutadiene	80	72	0.188	0.169	-10	NA	± 30 %	AverageRF
2,4,6-Trichlorophenol	80	88	0.431	0.471	9	NA	± 30 %	AverageRF
2,4,5-Trichlorophenol	80	90	0.446	0.500	12	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	80	81	0.366	0.369	1	NA	± 30 %	AverageRF
Hexachlorobenzene	80	73	0.231	0.212	-8	NA	± 30 %	AverageRF
Pentachlorophenol	80	94	0.133	0.155	17	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/22/2012

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL11555
Instrument ID: MS08

Column: MS

Level ID	File ID
A	J:\MS08\DATA\052212\0522F003.D
B	J:\MS08\DATA\052212\0522F004.D
C	J:\MS08\DATA\052212\0522F005.D
D	J:\MS08\DATA\052212\0522F006.D
E	J:\MS08\DATA\052212\0522F007.D
F	J:\MS08\DATA\052212\0522F008.D
G	J:\MS08\DATA\052212\0522F009.D
H	J:\MS08\DATA\052212\0522F010.D
I	J:\MS08\DATA\052212\0522F011.D
J	J:\MS08\DATA\052212\0522F012.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Pyridine				B	5.0	1.71	C	10	1.90	D	20	1.98	E	50	2.12
	F	80	2.14	G	100	2.20	H	120	2.21	I	160	2.22	J	200	2.20
2-Methylphenol	A	1.0	1.20	B	5.0	1.21	C	10	1.20	D	20	1.13	E	50	1.14
	F	80	1.03	G	100	0.976	H	120	0.921	I	160	0.877	J	200	0.816
Hexachloroethane	A	1.0	0.576	B	5.0	0.613	C	10	0.614	D	20	0.594	E	50	0.586
	F	80	0.529	G	100	0.504	H	120	0.482	I	160	0.449	J	200	0.424
4-Methylphenol	A	1.0	1.11	B	5.0	1.26	C	10	1.27	D	20	1.18	E	50	1.13
	F	80	1.04	G	100	0.969	H	120	0.922	I	160	0.848	J	200	0.781
Nitrobenzene	A	1.0	1.12	B	5.0	1.29	C	10	1.38	D	20	1.32	E	50	1.29
	F	80	1.21	G	100	1.16	H	120	1.11	I	160	1.08	J	200	1.05
Hexachlorobutadiene	A	1.0	0.196	B	5.0	0.187	C	10	0.193	D	20	0.178	E	50	0.173
	F	80	0.164	G	100	0.159	H	120	0.148	I	160	0.146	J	200	0.140
2,4,6-Trichlorophenol				B	5.0	0.377	C	10	0.411	D	20	0.434	E	50	0.437
	F	80	0.411	G	100	0.409	H	120	0.399	I	160	0.388	J	200	0.361
2,4,5-Trichlorophenol				B	5.0	0.395	C	10	0.448	D	20	0.436	E	50	0.461
	F	80	0.455	G	100	0.426	H	120	0.418	I	160	0.402	J	200	0.377
2,4-Dinitrotoluene							C	10	0.327	D	20	0.395	E	50	0.450
	F	80	0.446	G	100	0.444	H	120	0.448	I	160	0.437	J	200	0.430
Hexachlorobenzene				B	5.0	0.232	C	10	0.226	D	20	0.225	E	50	0.207
	F	80	0.188	G	100	0.178	H	120	0.172	I	160	0.164	J	200	0.155
Pentachlorophenol										D	20	0.104	E	50	0.130
	F	80	0.135	G	100	0.135	H	120	0.130	I	160	0.131	J	200	0.125
2-Fluorophenol				B	5.0	1.33	C	10	1.36	D	20	1.48	E	50	1.64
	F	80	1.59	G	100	1.56	H	120	1.56	I	160	1.53	J	200	1.40
Phenol-d6	A	1.0	1.59	B	5.0	1.94	C	10	1.81	D	20	1.90	E	50	2.01
	F	80	1.88	G	100	1.83	H	120	1.83	I	160	1.75	J	200	1.60
Nitrobenzene-d5	A	1.0	0.879	B	5.0	1.30	C	10	1.19	D	20	1.27	E	50	1.32
	F	80	1.24	G	100	1.19	H	120	1.19	I	160	1.17	J	200	1.06

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/22/2012

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL11555
Instrument ID: MS08

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
2-Fluorobiphenyl	A	1.0	1.53	B	5.0	1.67	C	10	1.46	D	20	1.45	E	50	1.39
	F	80	1.27	G	100	1.22	H	120	1.16	I	160	1.08	J	200	0.974
2,4,6-Tribromophenol				B	5.0	0.0918	C	10	0.0783	D	20	0.0991	E	50	0.0951
	F	80	0.0882	G	100	0.0856	H	120	0.0845	I	160	0.0798	J	200	0.0682
Terphenyl-d14	A	1.0	0.779	B	5.0	0.821	C	10	0.727	D	20	0.730	E	50	0.733
	F	80	0.719	G	100	0.713	H	120	0.711	I	160	0.723	J	200	0.669

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/22/2012

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL11555
Instrument ID: MS08

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Pyridine	MS	AverageRF	% RSD	8.4		≤ 20	2.08		0.01
2-Methylphenol	MS	AverageRF	% RSD	13.9		≤ 20	1.05		0.700
Hexachloroethane	MS	AverageRF	% RSD	12.9		≤ 20	0.537		0.300
4-Methylphenol	MS	AverageRF	% RSD	16.1		≤ 20	1.05		0.900
Nitrobenzene	MS	AverageRF	% RSD	9.5		≤ 20	1.20		0.200
Hexachlorobutadiene	MS	AverageRF	% RSD	11.9		≤ 20	0.168		0.010
2,4,6-Trichlorophenol	MS	AverageRF	% RSD	6.2		≤ 20	0.403		0.200
2,4,5-Trichlorophenol	MS	AverageRF	% RSD	6.8		≤ 20	0.424		0.200
2,4-Dinitrotoluene	MS	AverageRF	% RSD	10.0		≤ 20	0.422		0.200
Hexachlorobenzene	MS	AverageRF	% RSD	15.0		≤ 20	0.194		0.100
Pentachlorophenol	MS	AverageRF	% RSD	8.5		≤ 20	0.127		0.050
2-Fluorophenol	SURR	AverageRF	% RSD	7.3		≤ 20	1.50		0.01
Phenol-d6	SURR	AverageRF	% RSD	7.6		≤ 20	1.81		0.01
Nitrobenzene-d5	SURR	AverageRF	% RSD	11.0		≤ 20	1.18		0.01
2-Fluorobiphenyl	SURR	AverageRF	% RSD	16.4		≤ 20	1.32		0.01
2,4,6-Tribromophenol	SURR	AverageRF	% RSD	11.0		≤ 20	0.0856		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	5.6		≤ 20	0.732		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Calibration Date: 05/22/2012
Date Analyzed: 05/23/2012

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270D

Calibration ID: CAL11555
Units: ug/ml

File ID: J:\MS08\DATA\052212\0522F013.D
J:\MS08\DATA\052212\0522F014.D
J:\MS08\DATA\052312\0523F004.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Pyridine	80	87	2.08	2.26	9	NA	± 30 %	AverageRF
2-Methylphenol	80	78	1.05	1.03	-2	NA	± 30 %	AverageRF
Hexachloroethane	80	78	0.537	0.526	-2	NA	± 30 %	AverageRF
4-Methylphenol	80	81	1.05	1.07	1	NA	± 30 %	AverageRF
Nitrobenzene	80	79	1.20	1.19	-1	NA	± 30 %	AverageRF
Hexachlorobutadiene	80	74	0.168	0.156	-7	NA	± 30 %	AverageRF
2,4,6-Trichlorophenol	80	87	0.403	0.438	9	NA	± 30 %	AverageRF
2,4,5-Trichlorophenol	80	89	0.424	0.471	11	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	80	83	0.422	0.437	4	NA	± 30 %	AverageRF
Hexachlorobenzene	80	76	0.194	0.185	-5	NA	± 30 %	AverageRF
Pentachlorophenol	80	87	0.127	0.138	8	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/21/2012

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270D

Calibration Date: 05/11/2012
Calibration ID: CAL11515
Analysis Lot: KWG1205311
Units: ug/ml

File ID: J:\MS08\DATA\052112\0521F003.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pyridine	50	50	0.01	2.23	2.21	-1	NA	± 20 %	AverageRF
2-Methylphenol	50	54	0.700	1.03	1.12	9	NA	± 20 %	AverageRF
Hexachloroethane	50	53	0.300	0.518	0.543	NA	6	± 20 %	Quadratic(0,(
4-Methylphenol	50	54	0.900	1.01	1.09	8	NA	± 20 %	AverageRF
Nitrobenzene	50	48	0.200	1.27	1.21	-5	NA	± 20 %	AverageRF
Hexachlorobutadiene	50	45	0.010	0.188	0.168	-11	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	50	47	0.200	0.431	0.409	-5	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	50	48	0.200	0.446	0.429	-4	NA	± 20 %	AverageRF
2,4-Dinitrotoluene	50	55	0.200	0.366	0.407	11	NA	± 20 %	AverageRF
Hexachlorobenzene	50	44	0.100	0.231	0.203	-12	NA	± 20 %	AverageRF
Pentachlorophenol	50	48	0.050	0.133	0.128	-4	NA	± 20 %	AverageRF
2-Fluorophenol	50	55	0.01	1.46	1.61	10	NA	± 20 %	AverageRF
Phenol-d6	50	54	0.01	1.76	1.91	8	NA	± 20 %	AverageRF
Nitrobenzene-d5	50	51	0.01	1.22	1.25	2	NA	± 20 %	AverageRF
2-Fluorobiphenyl	50	46	0.01	1.34	1.24	-8	NA	± 20 %	AverageRF
2,4,6-Tribromophenol	50	51	0.01	0.0928	0.0954	3	NA	± 20 %	AverageRF
Terphenyl-d14	50	50	0.01	0.692	0.688	-1	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583
Date Analyzed: 05/23/2012

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270D

Calibration Date: 05/22/2012
Calibration ID: CAL11555
Analysis Lot: KWG1205426
Units: ug/ml

File ID: J:\MS08\DATA\052312\0523F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Pyridine	50	59	0.01	2.08	2.45	18	NA	± 20 %	AverageRF
2-Methylphenol	50	51	0.700	1.05	1.08	2	NA	± 20 %	AverageRF
Hexachloroethane	50	52	0.300	0.537	0.561	4	NA	± 20 %	AverageRF
4-Methylphenol	50	53	0.900	1.05	1.11	5	NA	± 20 %	AverageRF
Nitrobenzene	50	51	0.200	1.20	1.22	1	NA	± 20 %	AverageRF
Hexachlorobutadiene	50	48	0.010	0.168	0.160	-5	NA	± 20 %	AverageRF
2,4,6-Trichlorophenol	50	53	0.200	0.403	0.425	5	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	50	53	0.200	0.424	0.449	6	NA	± 20 %	AverageRF
2,4-Dinitrotoluene	50	52	0.200	0.422	0.437	3	NA	± 20 %	AverageRF
Hexachlorobenzene	50	51	0.100	0.194	0.198	2	NA	± 20 %	AverageRF
Pentachlorophenol	50	48	0.050	0.127	0.121	-5	NA	± 20 %	AverageRF
2-Fluorophenol	50	52	0.01	1.50	1.57	5	NA	± 20 %	AverageRF
Phenol-d6	50	53	0.01	1.81	1.93	6	NA	± 20 %	AverageRF
Nitrobenzene-d5	50	51	0.01	1.18	1.20	1	NA	± 20 %	AverageRF
2-Fluorobiphenyl	50	49	0.01	1.32	1.28	-3	NA	± 20 %	AverageRF
2,4,6-Tribromophenol	50	50	0.01	0.0856	0.0857	0	NA	± 20 %	AverageRF
Terphenyl-d14	50	50	0.01	0.732	0.733	0	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394

Service Request: K1204583

Analysis Run Log
Semi-Volatile Organic Compounds by GC/MS

Analysis Method: 8270D

Analysis Lot: KWG1205311
Instrument ID: MS08

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0521T003.D	GC/MS Tuning - Decafluorotriphenylpl	KWG1205311-1	5/21/2012	12:13		5/21/2012	12:43
0521F003.D	Continuing Calibration Verification	KWG1205311-2	5/21/2012	12:13		5/21/2012	12:43
0521F005.D	Instrument Blank	KWG1205311-4	5/21/2012	13:42		5/21/2012	14:12
0521F006.D	ZZZZZZ	ZZZZZZ	5/21/2012	14:22		5/21/2012	14:52
0521F007.D	ZZZZZZ	ZZZZZZ	5/21/2012	15:03		5/21/2012	15:33
0521F008.D	ZZZZZZ	ZZZZZZ	5/21/2012	15:43		5/21/2012	16:13
0521F009.D	ZZZZZZ	ZZZZZZ	5/21/2012	16:25		5/21/2012	16:55
0521F012.D	ZZZZZZ	ZZZZZZ	5/21/2012	18:26		5/21/2012	18:56
0521F013.D	Method Blank	KWG1205236-6	5/21/2012	19:07		5/21/2012	19:37
0521F014.D	Lab Control Sample	KWG1205236-5	5/21/2012	19:47		5/21/2012	20:17
0521F015.D	ZZZZZZ	ZZZZZZ	5/21/2012	20:28		5/21/2012	20:58
0521F016.D	ZZZZZZ	ZZZZZZ	5/21/2012	21:08		5/21/2012	21:38
0521F017.D	ZZZZZZ	ZZZZZZ	5/21/2012	21:49		5/21/2012	22:19
0521F018.D	ZZZZZZ	ZZZZZZ	5/21/2012	22:29		5/21/2012	22:59
0521F019.D	SO-56394-051112-EB-009	K1204583-002	5/21/2012	23:09		5/21/2012	23:39

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Service Request: K1204583

Analysis Run Log
Semi-Volatile Organic Compounds by GC/MS

Analysis Method: 8270D
Analysis Lot: KWG1205426
Instrument ID: MS08

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0523F002.D	Continuing Calibration Verification	KWG1205426-2	5/23/2012	09:19		5/23/2012	09:49
0523T002.D	GC/MS Tuning - Generic	KWG1205426-1	5/23/2012	09:19		5/23/2012	09:49
0523F005.D	ZZZZZZ	ZZZZZZ	5/23/2012	11:28		5/23/2012	11:58
0523F006.D	ZZZZZZ	ZZZZZZ	5/23/2012	12:09		5/23/2012	12:39
0523F007.D	ZZZZZZ	ZZZZZZ	5/23/2012	12:49		5/23/2012	13:19
0523F008.D	ZZZZZZ	ZZZZZZ	5/23/2012	13:29		5/23/2012	13:59
0523F009.D	ZZZZZZ	ZZZZZZ	5/23/2012	14:10		5/23/2012	14:40
0523F010.D	ZZZZZZ	ZZZZZZ	5/23/2012	14:50		5/23/2012	15:20
0523F011.D	ZZZZZZ	ZZZZZZ	5/23/2012	15:30		5/23/2012	16:00
0523F012.D	SO-56394-051112-EB-009MS	KWG1205236-1	5/23/2012	16:11		5/23/2012	16:41
0523F013.D	ZZZZZZ	ZZZZZZ	5/23/2012	16:51		5/23/2012	17:21
0523F014.D	ZZZZZZ	ZZZZZZ	5/23/2012	17:31		5/23/2012	18:01
0523F015.D	ZZZZZZ	ZZZZZZ	5/23/2012	18:11		5/23/2012	18:41
0523F016.D	ZZZZZZ	ZZZZZZ	5/23/2012	18:51		5/23/2012	19:21
0523F017.D	ZZZZZZ	ZZZZZZ	5/23/2012	19:32		5/23/2012	20:02
0523F018.D	ZZZZZZ	ZZZZZZ	5/23/2012	20:12		5/23/2012	20:42
0523F019.D	ZZZZZZ	ZZZZZZ	5/23/2012	20:52		5/23/2012	21:22

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Conestoga-Rovers & Associates, Incorpora
Project: Former Plainwell Mill/056394
Sample Matrix: Soil

Service Request: K1204583
Date Prepared: 05/17/2012
Date Extracted: 05/18/2012

Extraction Prep Log
Semi-Volatile Organic Compounds by GC/MS

Preparation Method: EPA 1311
Extraction Method: EPA 3510C
Analysis Method: 8270D

Extraction Lot: KWG1205236
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SO-56394-051112-EB-009	K1204583-002	05/11/12	05/12/12	100ml	1ml	NA	
Method Blank	KWG1205236-6	NA	NA	100ml	1ml	NA	
SO-56394-051112-EB-009MS	KWG1205236-1	05/11/12	05/12/12	100ml	1ml	NA	
Lab Control Sample	KWG1205236-5	NA	NA	100ml	1ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis